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REPORT
STATE FOOD
COMMISSIONER
ILLINOIS

1914

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FIFTEENTH ANNUAL REPORT

OF THE

Illinois

State Food Commissioner

OF

ILLINOIS



FOR YEAR 1914.

Exchange Duplicate, L. & S.

W. SCOTT MATTHEWS,

State Food Commissioner, 1627 Manhattan Bldg.,
431 S. Dearborn Street,
Chicago, Illinois.



SPRINGFIELD, ILL.
ILLINOIS STATE JOURNAL CO., STATE PRINTERS
1915

ILLINOIS STATE FOOD STANDARD COMMISSION.

MEMBERS.

W. SCOTT MATTHEWS, *Chairman.*

DR. WALTER S. HAINES.

THOMAS P. SULLIVAN, *Secretary.*



W. SCOTT MATTHEWS.

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LETTER OF TRANSMITTAL.

To His Excellency, EDWARD F. DUNNE, *Governor of the State of Illinois:*

In compliance with section 1 of the State Food Law of 1907, as amended in 1911, I have the honor to submit to Your Excellency my second annual report, the same being the fifteenth report of the commission.

W. SCOTT MATTHEWS,
Commissioner.

FIFTEENTH ANNUAL REPORT OF THE STATE FOOD COMMISSION.

W. Scott Matthews, Commissioner.

Hon. EDWARD F. DUNNE, *Governor of Illinois, Springfield, Ill.*

SIR: I respectfully present my report as Food Commissioner for the year 1914. I shall deal as briefly as possible with the business of the department and summarize the more important results and developments for the year.

During the year 1914 the following samples of food products have been passed upon after a careful analytical study in the laboratory of the department: Samples received from the State Board of Administration, 471; samples received from health officers, State's attorneys, etc., 315; samples of stock food (official), 429; samples from our inspectors, 1,955.

Of the 1,955 samples of food stuffs taken up by our inspectors, 1,205 met the requirements of the Food Law and have been passed as legal; 750 samples failed to meet the requirements of the law and have been declared illegal. The illegal samples necessitated the holding of 601 hearings and in 69 cases notices to correct statements on labels were made.

The department has issued licenses to 489 manufacturers, jobbers and dealers in concentrated commercial feed stuffs, covering 947 brands. The total amount of money paid to the State Treasurer as license fees for the above was \$23,675, which sum is an increase of 72 per cent for this item over last year. The department has also issued 339 milk testers' licenses, pursuant to section 29b of the new, revised Illinois Dairy and Food Laws, for which the sum of \$339 was received by this department. This sum has been forwarded to the State Treasurer and his receipt for this money is held at this office. None of the funds received as license fees, licenses for which were issued by this department, are available for use by this commission unless re-appropriated by the Legislature.

CHANGES IN THE DEPARTMENT.

All changes made in the personnel of the department during the year have been made, according to your instructions, in compliance with the letter and spirit of the Civil Service Law and rules and regulations of the Civil Service Commission.

The following is a report in detail of the inspectors employed by the department during the year, together with the amount of salary paid the same and their expenses and disbursements:

Name.	Salary.	Expenses.
Ben. C. Hobson	\$1,575 00	\$ 559 66
Frank J. Hoey	1,800 00	253 25
A. R. Lewis	1,758 30	1,067 45

Name.	Salary.	Expenses.
Oscar J. Lindstrom	\$1,683 26	\$ 699 76
Ernest Wiedel	1,691 26	217 71
R. T. Johnston	500 00	430 53
Chas. H. Kjellquist	780 00	423 11
H. Kennicott	300 00	102 24
Alex. Peterson	651 66	299 64
Geo. B. Simcox	500 00	647 79
Chas. Wandrack	520 00	475 81
Antone Spaeth	14 16	.....
Alfred Anderson	440 00	31 05
James McGrew	520 00	385 16
Paul Polzin	520 00	372 65
Harry Williams	311 43	.....
L. E. York	46 00	55 08
John Owens	1,380 86	2,026 60
Louis Re	35 76	2 10
Chas. E. Hamilton	277 33	132 99
W. Y. Hoover	540 00	316 27
V. A. Hundley	540 00	496 85
O. S. Roberts	80 00	53 17
H. L. Huffington	460 00	372 94
W. C. Hunter	436 67	239 94
J. L. Kennard	436 67	381 56
Paul L. Skoog	500 00	396 17
J. T. Sullivan	436 67	44 35
S. Van Praag	300 00	.....
L. H. Shannon	433 33	261 45
D. G. Marley	400 00	237 63
W. P. Holcomb	300 00	280 91
Ed. Norton	234 67	616 12
Chas. Lynch	50 00	65 69
Total	\$20,453 67	\$11,945 67

INSPECTION.

During the past year the department, through its inspectors, has made official inspections of 13,485 establishments used for the production, preparation, manufacture, or distribution of foods and also 5,256 reinspections. As a result of this work our inspectors have had destroyed 39,402 pounds of decomposed meat, fish, and poultry, 10,218 cans of spoiled canned goods, 11,331 pounds of contaminated dried fruits, 7,088 pounds of dirty candy and confectionery, and 18,027 pounds of miscellaneous food stuffs not included in the above items.

Seizures made by our inspection force pursuant to section number 29 of the Food Law have resulted in the condemnation, by court procedure, of 45,595 pounds of flour and 286 cases (of 30 dozen each) of eggs.

The policy adopted during the year 1914 has been one which I consider a more effective method of enforcing the provisions of the Sanitary Food Law. A more thorough inspection has been made of the conditions under which the food stuffs are handled, particularly in dairies, bakeries, restaurants, fruit stands, etc.

After an inspection of the equipment and a careful inquiry as to the methods employed have been made the inspector calls these matters to the attention of the proprietor and leaves written instructions as to the improvements necessary. From two to four weeks' time is given in

which the proprietor is to effect the changes recommended and as soon as practicable the inspector returns to the establishment to see that the recommendations have been carried out.

While this method of inspection requires much more time than a single inspection, it is so much more effective that the greater expenditure of time is fully justified.

PUBLICITY WORK OF THE DEPARTMENT.

During the past year the department has issued and circulated over 500,000 bulletins and circulars as a means of disseminating information of value not only to the manufacturer and dealer but to the consumer as well. A large number of these circulars have been mailed directly to persons interested in the class of food product for which the bulletin was written, but the great bulk of this material has been circulated through such agencies as the civic organizations, woman's clubs, public schools, and other organizations interested in the work of the department. The splendid results obtained by the cooperation of the public schools is due to the valuable assistance given the department by Mr. Francis G. Blair, State Superintendent of Public Instruction.

The exhibit of this department at the State Fair, and also at the National Dairy Show held in Chicago, have offered splendid opportunities for the circulation of much of our literature.

The public press of this State has liberally contributed space to such material as has been issued from this department in the form of news letters, and I take this opportunity of expressing my appreciation for their material aid in this work. Many of the newspapers published in foreign languages, which are issued in this State, have also used our material liberally. Bulletin No. 28, the subject of which is Ice Cream, has been printed in full in the Greek text by one of the Greek newspapers printed in Chicago, and has been a splendid means of placing the information contained in this valuable bulletin in the hands of many persons engaged in the ice cream industry to whom the English text is unavailable.

The department has furnished newspapers of this State 135 pages of plate matter as a means of assisting the newspapers in printing items of interest pertaining to the work of this department.

There has been an ever increasing demand from woman's clubs, civic organizations and public schools, etc., for more or less formal talks upon the subject of pure foods and food control work. In the past this demand has been supplied by sending out representatives of this department to deliver addresses before the various clubs. During the past year this phase of the publicity work has been more carefully studied and we have adopted, as a means of more intelligently presenting the subjects, the use of stereopticon slides and have also made use of motion pictures.

The effect of the publicity work of the department is to educate the public as to the requirements of this department, and also to enlist their aid in the campaign. The constant demand by the housewife for more sanitary conditions surrounding the establishments where she purchases supplies for the family is of great value and greatly facilitates the work of the inspectors in such towns as the demands have been made.

COOPERATION.

A closer cooperation between this department and the National food and drug authorities will be noticed during the past year. This condition has been made possible by the establishment, by the United States Department of Agriculture, of the office of State Cooperative Food and Drug Control. This office has been in charge of Dr. J. S. Abbott, formerly Food Commissioner of the State of Texas. Dr. Abbott is thoroughly familiar with the needs of the food departments of the various states, and under his direction and the able assistance rendered by L. M. Tolman, Chief of the Central Division of the United States Food and Drug Inspection Service, Federal cooperation as well as interstate cooperation has become more effective.

NET WEIGHT AMENDMENT TO THE NATIONAL FOOD LAW.

Since September 3, 1914, all food products manufactured for interstate shipment, in package form, must be plainly and conspicuously marked on the outside of the package with a statement of the quantity (in terms of weight, measure, or numerical count) that the package contains. This amendment to the National Food Law, which is commonly known as the "Net Weight Amendment," will be of great value to the citizens of this State, for the reason that the housewife can tell from the outside of the package the quantity of the food product for which she is paying her money. While the State Food Law does not require that food products sold in package form shall bear a statement of the quantity of product it contains, the law does require that if a declaration of the fact is made that these statements must be true and correct. The scope of the work of the department, therefore, will be increased by such work as will insure the correctness of these statements.

WEIGHT AND MEASURE LAW.

I wish to present for consideration by Your Excellency the need of effective legislation for the purpose of regulating the weights and measures in this State.

The department receives many vigorous complaints as to purchases made which are short in weight or short in measure. Under the existing conditions the department is able to render little assistance to the complainants, for the reason that only such complaints as pertain to fraudulent declarations of weight or measure on foods sold in package form can be regulated by this department.

Many of our neighboring states have weight and measure laws enforced by the State Food Commissioner. Such law is, therefore, consistent with progressive legislation.

Respectfully submitted,

W. SCOTT MATTHEWS,
State Food Commissioner.

REPORT OF WORK DONE BY THE STATE FOOD STANDARD COMMISSION.

The Illinois State Food Standard Commission has been exceedingly busy during the year and yet many important subjects that have been under consideration remain unfinished.

After an extensive investigation by the commission, on May 27 they adopted and promulgated the following standard for condensed milk:

"Standard for Evaporated Milk.—Evaporated milk, unsweetened condensed milk, is milk from which a considerable portion of the water has been evaporated and contains not less than seven and eight-tenths per cent (7.8%) of milk fat and not less than twenty-five and five-tenths per cent (25.5%) of total milk solids."

The commission also, after mature deliberation, decided to add additional requirements to the standard for ice cream, changing the standard previously adopted by the commission, by requiring the use of sanitary methods in the preparation, storing and dispensing of the article, as follows:

"Ice cream is a frozen substance, made from cream, or milk and cream, and sugar, with or without the addition of such other wholesome substances as have customarily* been used in making ice cream, and contains not less than eight per cent (8%) milk fat, and manufactured, stored, distributed and dispensed in a sanitary manner."

The commission has continued the study of soft drinks and has found it a matter containing many perplexities, on account of the great diversity of drinks and the great variety of formulas used in their manufacture and the numerous substances involved. The investigation will be continued during the present year.

The commission has under consideration standards for ice, drinking water, certified milk, jams, preserves, canned fruit, marmalade, fruit butter, jelly and mince meat.

The subject of the permissible amounts of arsenic and lead in manufactured articles of food is under investigation, as it is practically impossible to prepare certain articles of food, without introducing into them minute amounts of these two metals and the question, therefore, before the commission is, what quantity, if any, of these metals may be permitted in foods without endangering the health of the consumer.

The commission is pleased to note that the Federal Standard Commission has recently adopted the same standard for condensed and evaporated milk that the Illinois State Food Standard Commission promulgated early in the year, thus making this the standard for interstate commerce.

The commission desires to call attention to the possibilities that lie within the scope of their work and to say, that while the appropriation as now allowed by the State is sufficient for its incidental expenses, it is not large enough to enable the commission to enter upon many scientific investigations that should be made.

(Signed)

W. SCOTT MATTHEWS,
THOMAS P. SULLIVAN,
WALTER S. HAINES.

* "The following other substances have customarily been used in making ice cream: Eggs, flours, starches, butter, gelatin, flavoring, harmless colors, nuts, fruits, pastries and condensed milks."

REPORT OF THE ACTIVITIES OF THE LABORATORY.

During the year, 3,170 samples were analyzed by the laboratory. The following table gives some idea of their nature, and in the case of official samples, the extent to which they violate the provisions of the Food and Stock Laws:

Representation.	Total.	Legal.	Illegal.	Per cent illegal.
Baking powder.....	20	11	9	45
Beverages—				
Alcoholic.....	4	2	2	50
"Temperance".....	12	8	4	33
Soft drinks.....	153	36	117	75
Cereal products.....	34	17	17	50
Cocoa—chocolate.....	20	9	11	55
Coffee.....	23	13	10	43
Confections.....	52	40	12	23
Dairy products—				
Milk.....	411	363	48	12
Cream.....	121	83	38	31
Butter.....	50	14	36	72
Cheese.....	3	3		
Milk, condensed.....	63	47	16	25
Dessert preparations.....	16	16		
Eggs—				
Shell.....	44	1	43	98
Frozen.....	306	154	152	50
Extracts—				
Lemon.....	18	11	7	39
Vanilla.....	11	5	6	55
Miscellaneous.....	9	4	5	55
Fruits—				
Canned.....	16	13	3	19
Dried.....	26	7	19	73
Honey.....	8	7	1	13
Ice cream.....	191	124	67	34
Ketchup.....	14	4	10	70
Lard.....	10	7	3	33
Meat and fish.....	67	34	33	50
Nuts.....	21	6	15	71
Olive and other oils.....	24	8	16	67
Pickles and relishes, etc.....	40	28	12	30
Spices.....	15	9	6	40
Sugar, syrups, etc.....	21	13	8	38
Tea.....	4	4		
Vegetables, canned.....	40	36	4	10
Vinegar—				
Cider.....	44	30	14	32
Sugar, etc.....	10	8	2	20
Miscellaneous.....	34	30	4	12
Total.....	1,955	1,205	750	.....
Stock foods.....	429	220	209	49
Board of Administration—				
Oleomargarine.....	310			
Flour.....	108			
Miscellaneous.....	53			
Total.....	471			
Unofficial samples.....	515			
Total.....	3,170			

The per cent of illegal samples cannot be taken as a basis for judging actual trade conditions of the entire State. For such comparison it would be necessary to take into consideration the total consumption of each article of food by the people of the State together with an analysis of each brand. Such an examination is, of course, impossible. On the other hand the per cent together with the actual number of illegal samples are significant of the fact that violations of the law are still common, especially in certain food products. Among these, attention should be directed to the sale of oleomargarine for butter; to the traffic in questionable and rotten eggs in the shell and also in the frozen condition; to the substitution of cottonseed oil for olive oil; to the sale of ice cream below standard.

During the larger part of the year the laboratory has been without the services of a bacteriologist. This has hampered our work in many ways. Attention should be paid to those food products which are eaten in the cooked state or without further preparation. That such products are the source not only of slight disturbances in the health of the consumer, but also of serious epidemics is clearly demonstrated by the outbreak in Kewanee of ice cream poisoning. A complete special report of this investigation is on file. It is gratifying to report that the measures taken at that time have proven effective in preventing a recurrence of the outbreak. At the same time the investigation forcibly disclosed the very unsatisfactory manner in which milk and cream are being handled in certain parts of the State. The conditions exist through a combination of the carelessness and ignorance of the persons responsible for the milk supply. There is a vast field for the department in bringing home to the farmer the need of better conditions surrounding milk production.

BAKING POWDER.

The baking powder situation is in a much better condition than would be represented by the illegal samples. In most cases these consist of old stock that has been on the dealers' shelves for many years.

ILLEGAL BAKING POWDER.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Brand.	Available carbon dioxide—per cent.	Remarks.
C 30 F 78 F 80	T. F. Moore John H. Brown & Son John H. Brown & Son	Mattoon. Quincy do	Grocer's Supply Co. Early Breakfast Co. Ohio Produce & Canning Co.	Indianapolis, Ind. St. Louis, Mo. do	Moore's Best Squirrel Purty	12.3 1.98 4.98	Misbranded. Adulterated. Adulterated.

ILLEGAL BAKING POWDER—Concluded.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Brand.	Available carbon dioxide—per cent.	Remarks.
I 138	Franz Krecht	Hartsburg ..	Excelsior Mfg. Co.	Chicago.....	Gem Extract.....	3.80	Adulterated. 1
J 178	John Stewart	Wellington..	Gem Extract Co.	Frankfort, Ind.	Gadites Favorite..	1.66	Adulterated. 1
J 179	A. C. Schriepe	St. Anne ..	W. C. Schriepe	St. Anne	Swiss	9.38	Adulterated. 1
J 180	P. A. Chaignon	do.....	W. E. Swift Co.	Chicago.....	Climax.....	9.11	Adulterated. 1
L 91	Galesburg Grocery Co.	Galesburg...	Climax Baking Powder Co.	Indianapolis, Ind.	Prize.....	4.72	Adulterated. 1
L 23	Galesburg Grocery Co.	do.....	Galesburg Grocery Co.	Galesburg.....	do.....	6.37	Adulterated. 1
X 14	Unofficial sample	do.....	do.....	do.....	do.....	6.52	Adulterated. 1

¹ Below standard in available carbon dioxide.² Ingredients stated in type smaller than eight point caps.

CARBONATED BEVERAGES: "SOFT DRINKS".

Attention was paid to the "soft drink" situation. Of the 171 samples analyzed, 120 were found to be illegal. Among the latter nearly all contained saccharine as a substitution for sugar. In some cases the saccharine entirely replaced sugar as the sweetener, while in other samples both sugar and saccharine were present. The term "saccharine" for this substance is very unfortunate, because it suggests some chemical relationship to sugar. As a matter of fact saccharine bears no resemblance to sugar other than in its sweet taste. In this respect saccharine is far more potent than sugar, since one pound of saccharine equals 550 pounds of sugar in sweetening power.

But sugar is an excellent food, while saccharine has no food value. The human system cannot utilize it in building up the body. On the contrary, energy that could have been used for better purposes is required to eliminate saccharine from the body.

ILLEGAL CARBONATED BEVERAGES—"SOFT DRINKS."

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Brand.
A 60	The Fair	Chicago.....	Schwepps, Ltd.	Great Britain.....	Gold Medal.....
A 77	Blue Ribbon Bottling Works	do.....	Blue Ribbon Bottling Works	Chicago.....	Blue Ribbon.....
A 78	Blue Ribbon Bottling Works	do.....	do.....	do.....	do.....
A 79	Blue Ribbon Bottling Works	do.....	do.....	do.....	do.....

ILLEGAL CARBONATED BEVERAGES—Continued.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Brand.
A 176	20th Century Bottling Works.	Chicago.	20th Century Bottling Works	Chicago.	.....
A 177	20th Century Bottling Works.	do.	do.	do.	do.
A 178	20th Century Bottling Works.	do.	do.	do.	do.
A 179	Joseph Henson.	do.	Joseph Henson.	do.	do.
A 180	Joseph Henson.	do.	do.	do.	do.
A 181	Joseph Henson.	do.	do.	do.	do.
A 182	Joseph Henson.	do.	do.	do.	do.
A 183	Joseph Henson.	do.	do.	do.	do.
A 184	Joseph Henson.	do.	do.	do.	do.
A 185	Perfection Bottling Works.	do.	Perfection Bottling Works	do.	Perfection
A 186	Perfection Bottling Works.	do.	do.	do.	do.
A 187	Perfection Bottling Works.	do.	do.	do.	do.
A 188	Perfection Bottling Works.	do.	do.	do.	do.
A 189	Perfection Bottling Works.	do.	do.	do.	do.
A 190	Perfection Bottling Works.	do.	do.	do.	do.
A 212	Tropical Fruit Juice Co.	do.	Tropical Fruit Juice Co.	do.	do.
A 229	Peter Donvers & Co.	do.	Hayes Bros.	Peoria	Garden City
A 230	S. Matran.	do.	Chicago Consolidated Bottling Co.	Chicago.	.....
A 231	The Fair.	do.	John E. Fowler.	Richmond, Va.	.....
A 232	The Fair.	do.	C. J. Donnelly.	Chicago.	.....
B 40	Chas. A. Wilson.	Rockford.	Chas. A. Wilson.	Rockford.	.....
B 82	Clutter Candy & Bottling Co.	Springfield.	W. W. Clutter.	Springfield.	.....
B 83	J. Hall.	do.	J. Hall.	do.	do.
B 96	Union Bottling Works	Decatur.	W. H. Hutchinson & Son	Chicago.	.....
C 17	Chas. O. Bishop.	Sullivan.	J. E. Taylor.	Decatur.	.....
C 22	H. W. Davis	Arthur.	Union Bottling Works.	do.	.....
F 24	Ed Heraty	Carrollton.	Ed Heraty.	Carrollton	.....
F 25	Ed Heraty	do.	do.	do.	do.
F 26	Ed Heraty	do.	do.	do.	do.
F 27	Ed Heraty	do.	do.	do.	do.
F 28	Ed Heraty	do.	do.	do.	do.
F 29	Grafton Bottling Works	Grafton	Grafton Bottling Works.	Grafton	do.
F 210	Grafton Bottling Works	do.	do.	do.	do.
F 211	Grafton Bottling Works	do.	do.	do.	do.
F 212	Grafton Bottling Works	do.	do.	do.	do.
F 213	Grafton Bottling Works	do.	do.	do.	do.
F 214	Grafton Bottling Works	do.	do.	do.	do.
F 216	E. K. Severson.	Pisgah	do.	do.	do.
F 217	E. K. Severson.	do.	do.	do.	do.
F 218	E. K. Severson.	do.	do.	do.	do.
F 219	W. C. Teaney.	Franklin	do.	do.	do.
F 220	W. C. Teaney.	do.	do.	do.	do.
F 221	W. C. Teaney.	do.	do.	do.	do.
F 222	W. C. Teaney.	do.	do.	do.	do.
G 2	Joe Coco	Chicago.	Greco Bros.	Chicago.	.....

ILLEGAL CARBONATED BEVERAGES—Continued.

No.	Representation.	Specific gravity.	Saccharine.	Coal tar color.	Remarks.
H 107	Theo. Netter.				
I 26	W. W. Clutter.				C. J. Donnelly.
I 27	W. W. Clutter.				Springfield.
I 28	W. W. Clutter.				do.
I 29	W. W. Clutter.				do.
I 30	W. W. Clutter.				do.
I 31	W. W. Clutter.				do.
I 215	J. Weinberg.				Rockford.
I 216	Powers & Arnew.				Wilson Bottling Co.
J 172	Mrs. J. B. Thompson.				Watsaka.
J 173	Mrs. J. B. Thompson.				Watsaka Bottling Works.
J 174	Mrs. J. B. Thompson.				do.
K 197	McKibben & Co.				do.
K 381	Robert W. Bowman.				Bone Gap.
X 17	Unofficial sample				Elmer Painter.
X 25	Unofficial sample				American Products Co.
X 26	Unofficial sample				Decatur.
X 217	Unofficial sample				Harrisburg.
					do.
					Chicago.
A 60	Sarsaparilla	1.041	No	No	Misbranded. ⁷
A 77	Root Beer	1.005	Yes	No	Adulterated with saccharine. Misbranded. Labeled lemon sour.
A 78	Strawberry Pop	.9982	Yes	Yes	Adulterated with saccharine. Misbranded. ¹ Labeled lemon sour.
A 79	Chocolate Cream Beverage	1.011	Yes	No	Misbranded. ² Adulterated with saccharine.
A 80	Ginger Ale	.9982	Yes	No	Adulterated with saccharine. Misbranded. Labeled straw berry.
A 81	Lemon Pop	.9987	Yes	No	Adulterated with saccharine. Misbranded. Labeled straw berry.
A 83	Iron Force		Yes	No	Adulterated with saccharine.
A 84	Pepsin Ginger Ale	1.006	Yes	No	Adulterated with saccharine. Misbranded. Contains little or no pepsin.
A 85	Sarsaparilla Pop	1.004	Yes	No	Adulterated with saccharine.
A 86	Lemon Soda	1.000	Yes	No	Adulterated with saccharine.
A 88	Ginger Ale	1.001	Yes	No	Adulterated with saccharine.
A 89	Lemon Soda	1.001	Yes	No	Adulterated with saccharine.
A 90	Root Beer	1.001	Yes	No	Adulterated with saccharine. Misbranded. No label.
A 91	Concord Grape Soda	1.002	Yes	No	Adulterated with saccharine. Misbranded. ² Does not contain concord grape
A 92	Ginger Ale	1.016	No	No	Adulterated with saccharine.
A 93	Lemon Soda	1.002	Yes	No	Misbranded. ²
A 94	Root Beer	1.010	Yes	Yes	Adulterated with saccharine. Misbranded. ²
A 95	Strawberry Pop	1.005	Yes	Yes	Adulterated with saccharine. Misbranded. ²
A 96	Iron Cream	1.015	Yes	No	Adulterated with saccharine. Misbranded. ²
A 98	Ginger Ale	1.013	No	No	Misbranded. ¹
A 99	Orange Pop	1.013	No	Yes	Misbranded. ¹ No label in English.
A 100	Root Beer	1.013	Yes ²	No	Adulterated with saccharine. Misbranded. ⁴

ILLEGAL CARBONATED BEVERAGES—Continued.

No.	Representation.	Specific gravity.	Saccharine.	Coal tar color.	Remarks.
A 101	Lemon Soda.	1.014	Yes	No	Adulterated with saccharine. Misbranded. ¹ No label in English.
A 102	Iron Force.	1.009	Yes	No	Adulterated with saccharine. Misbranded. ³
A 103	Strawberry Pop.	1.012	Yes	Yes	Adulterated with saccharine. Misbranded. ³
A 104	Lemon Soda.	1.005	Yes	No	Adulterated with saccharine. Misbranded. ³
A 105	Cream Soda.	1.000	Yes	No	Adulterated with saccharine. Misbranded. ⁴
A 106	Imitation Strawberry Pop.	1.000	Yes	Yes	Adulterated with saccharine. Misbranded. ³
A 107	Sarsaparilla Pop.	1.002	Yes	No	Adulterated with saccharine. Misbranded. ³
A 108	Chocolate Cream.	1.002	Yes	No	Adulterated with saccharine. Misbranded. ³
A 109	Ginger Ale.	1.000	Yes	No	Adulterated with saccharine. Misbranded. ³
A 110	Chocolate Cream Soda.	1.002	Yes	No	Adulterated with saccharine. Misbranded. ³
A 111	Ginger Ale.	1.005	Yes	No	Adulterated with saccharine. Misbranded. ³
A 112	Lemon Soda.	1.003	Yes	No	Adulterated with saccharine. Misbranded. ³
A 113	Strawberry Pop.	1.005	Yes	Yes	Adulterated with saccharine. Misbranded. ¹ ³
A 114	Apple Cider.	1.003	Yes	No	Adulterated with saccharine and water. Is not apple cider. Misbranded. ¹ ³
A 115	Root Beer.	1.005	Yes	No	Adulterated with saccharine. Misbranded. ³
A 116	Concord Grape Soda.	1.034	No	Yes	Misbranded. ⁴ False statement on label.
A 121	Col-Grap.	1.116	No	Yes	Adulterated with saccharine. Misbranded. ³
A 123	Belfast Style Ginger Ale.	1.015	Yes	No	Adulterated with saccharine. Misbranded. ³
A 124	Root Beer.	1.014	Yes	No	Adulterated with saccharine. Misbranded. ³
A 125	Lemon Soda.	1.014	Yes	No	Adulterated with saccharine. Misbranded. ³
A 126	Cream Soda.	1.014	Yes	No	Adulterated with saccharine. Misbranded. ³
A 127	Iron Force.	1.016	Yes	No	Adulterated with saccharine. Misbranded. ³
A 128	Sarsaparilla Pop.	1.014	Yes	No	Adulterated with saccharine. Misbranded. ³
A 167	Root Beer.	1.002	Yes	No	Adulterated with saccharine. Misbranded. ³
A 168	Ginger Ale.	1.001	Yes	No	Adulterated with saccharine. Misbranded. ¹ ³
A 169	Strawberry Pop.	1.003	Yes	Yes	Adulterated with saccharine. Misbranded. ¹ ³
A 170	Cherry Pop.	1.002	Yes	Yes	Adulterated with saccharine. Misbranded. ¹ ³
A 171	Strawberry Pop.	1.002	Yes	Yes	Adulterated with saccharine. Misbranded. ¹ ³
A 172	Lemon Soda.	1.006	Yes	No	Adulterated with saccharine. Misbranded. ¹ ³
A 173	Lemon Soda.	1.014	Yes	No	Adulterated with saccharine. Misbranded. ¹ ³
A 174	Lemon Soda.	1.017	Yes	No	Adulterated with saccharine. Misbranded. ¹ ³
A 175	Royal Brew.	1.003	Yes	No	Adulterated with saccharine. Misbranded. ³
A 176	Strawberry Pop.	1.001	Yes	Yes	Adulterated with saccharine. Misbranded. ³
A 177	Ginger Ale.	1.011	Yes	No	Adulterated with saccharine. Misbranded. ³
A 178	Sarsaparilla.	1.030	No	No	Adulterated with saccharine. Misbranded. ³
A 179	Lemon Soda.	1.001	Yes	No	Adulterated with saccharine. Misbranded. ³
A 180	Lemon Pop.	1.001	Yes	No	Adulterated with saccharine. Misbranded. ³
A 181	Root Beer.	1.014	Yes	No	Adulterated with saccharine. Misbranded. ³
A 182	Strawberry Pop.	1.001	Yes	Yes	Adulterated with saccharine. Misbranded. ³
A 183	Ginger Ale.	1.010	Yes	No	Adulterated with saccharine. Misbranded. ³
A 184	Iron Force.	1.012	Yes	No	Adulterated with saccharine. Misbranded. ³
A 185	Ginger Ale.	1.002	Yes	No	Adulterated with saccharine. Misbranded. ³
A 186	Lemon Soda.	1.003	Yes	No	Adulterated with saccharine. Misbranded. ³
A 187	Cherry Soda.	1.001	Yes	Yes	Adulterated with saccharine. Misbranded. ³

A 188	Root Beer.....	1.003	Yes.....	No.....	Adulterated with saccharine. Inconspicuous.	
A 189	Imitation Champagne Cider.....	1.001	Yes.....	No.....	Adulterated with saccharine. Misbranded. Label misleading. Word "imitation" is conspicuous.	
A 190	Iron Force.....	1.003	Yes.....	No.....	Adulterated with saccharine. Misbranded. ³	
A 212	Grape-Smash.....	1.238	No.....	Yes.....	Misbranded. Label misleading. Contains little or no grape.	
A 229	Ginger Ale.....	1.025	Yes.....	No.....	Adulterated with saccharine.	
A 230	Ginger Ale.....	1.020	Yes.....	No.....	Adulterated with saccharine.	
A 231	Cherry-Smash.....		Yes.....	No.....	Misbranded. Label misleading.	
A 232	O-Kid-O Grape Drink.....		No.....	Yes.....	Contains very little cherry.	
B 40	Grape-Smash.....	1.046	No.....	Yes.....	Misbranded. Label misleading. Contains little or no grape.	
B 82	Lemon Soda.....	1.000	Yes.....	No.....	Adulterated with saccharine.	
B 83	Ginger Ale.....	1.033	No.....	No.....	Misbranded. ³	
B 96	Apple Cider.....	1.059	No.....	No.....	Adulterated with water, sugar and benzoate. Contains little or no apple cider. Misbranded. No label.	
C 17	Orange Pop.....		No.....	No.....	Misbranded. No label.	
C 22	Apple Cider.....	1.058	No.....	No.....	Adulterated with benzoate, water and sugar. Contains little or no apple cider. Misbranded. No label.	
F 204	Lemon Sour.....	1.018	Yes.....	No.....	Adulterated with saccharine. Misbranded. ⁴	
F 205	Cream Soda.....	1.018	Yes.....	No.....	Adulterated with saccharine. Misbranded. ⁴	
F 206	Sarsaparilla Pop.....	1.018	Yes.....	No.....	Adulterated with saccharine. Misbranded. ⁴	
F 207	Ginger Ale.....	1.021	Yes.....	No.....	Adulterated with saccharine. Misbranded. ⁴	
F 208	Strawberry Pop.....	1.018	Yes.....	No.....	Adulterated with saccharine. Misbranded. ⁴	
F 209	Cream Soda.....	1.030	No.....	Yes.....	Misbranded. ^{3, 4}	
F 210	Strawberry Pop.....	1.025	No.....	Yes.....	Misbranded. ⁴	
F 211	Lemon Soda.....	1.020	No.....	No.....	Misbranded. ⁴	
F 212	Sarsaparilla Pop.....	1.019	No.....	No.....	Misbranded. ⁴	
F 213	Ginger Ale.....	1.028	No.....	No.....	Misbranded. ⁴	
F 214	Orange Julep.....	1.034	No.....	Yes.....	Misbranded. ⁴	
F 216	Ginger Ale.....	1.034	No.....	No.....	Misbranded. ³	
F 217	Cream Soda.....	1.031	No.....	No.....	Misbranded. ⁴	
F 218	Sarsaparilla Pop.....	1.030	No.....	Yes.....	Misbranded. ^{3, 4}	
F 219	Grape Pop.....	1.023	Yes.....	Yes.....	Adulterated with saccharine. Misbranded. ^{3, 4}	
F 220	Ginger Ale.....	1.014	Yes.....	No.....	Adulterated with saccharine. Misbranded. ^{3, 4}	
F 221	Orange Soda.....	1.016	Yes.....	No.....	Adulterated with saccharine. Misbranded. ³	
F 222	Root Beer.....	1.001	Yes.....	No.....	Adulterated with saccharine. Misbranded. ³	
G 2	Arzoxa.....		No.....	No.....	Dirty.	
H 107	Grape Drink.....		No.....	No.....	Misbranded. Contains little or no grape.	
I 26	Grape Soda.....		Yes.....	Yes.....	Adulterated with saccharine. Misbranded. ^{3, 4}	
I 27	Lemon Soda.....		Yes.....	No.....	Adulterated with saccharine. Misbranded. ¹	
I 28	Cherry Cheer.....		Yes.....	Yes.....	Adulterated with saccharine. Misbranded. ¹	
I 29	Cream Soda.....		Yes.....	No.....	Adulterated with saccharine.	
I 30	Sarsaparilla.....		Yes.....	No.....	Adulterated with saccharine.	
I 31	Ginger Ale.....		Yes.....	No.....	Adulterated with saccharine. Misbranded. ³	
I 215	Apple Cider.....				Adulterated with alcohol. Is a hard cider.	
I 216	Apple Cider.....				Adulterated with alcohol. Is a hard cider.	
J 172	White Soda.....		No.....	No.....	Misbranded. ³	
J 173	Root-Beer.....		No.....	Yes.....	Misbranded. ^{1, 3}	
J 174	Orange-Julep.....		No.....	Yes.....	Misbranded. No label.	
K 197	Apple Cider.....	1.001	No.....	Yes.....	Adulterated with salicylic acid and alcohol. Misbranded. ⁴	
K 381	Cherry Phosphate.....		No.....	Yes.....	Misbranded. ⁴	

ILLEGAL CARBONATED BEVERAGES—Concluded.

No.	Representation.	Specific gravity.	Saccharine.	Coal tar color.	Remarks.
X 17	Cider.....	.....	.....	.....	Adulterated. Misbranded. Is a fermented liquor.
X 25	Cider.....	.....	.....	.....	Misbranded. Is not apple cider.
X 26	Cider.....	.....	.....	.....	Adulterated. Misbranded. Is a fermented liquor.
X 217	Concentrated Apple.....	.....	.....	.....	Adulterated. Is not concentrated apple, but is a concentrated aqueous extract of apple pomace.

¹ Misbranded. Artificial color not declared. ² Misbranded. True and distinctive name of article not on label.

³ Misbranded. Name and address of manufacturer or jobber not completely given. ⁴ Misbranded. Part of label in type smaller than 8-point brevier caps.

ILLEGAL BEER AND NEAR BEER.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Brand.	Representation.	Per cent alcohol by volume.	Remarks.
A 287	Eugene Pfister.....	Chicago.....	Courad Seipp Brewing Co.	Chicago.....	Extra Pale..	Beer.....	4.62	Misbranded. Label misleading.
J 298	John Walz.....	Sterling.....	.....	.....	.....	do.....	5.19	Misbranded. Name of article not on label.
J 297	Herman Giffon.....	.....	.....	.....	Tempo.....	.....	3.78	Is beer.
J 153	A. Wiecher.....	Peotone.....	J. D. Radke Brewing Co.	Kankakee.....	Radeke.....	Near beer.....	4.45	Is beer.
J 154	A. Wiecher.....	do.....	do.....	do.....	do.....	do.....	0.45	Misbranded. No label.
J 155	A. Wiecher.....	do.....	do.....	do.....	do.....	do.....	4.48	Is beer.
X 18	Unofficial sample.....	Harrisburg.....	.....	.....	Temperine.....	.....	3.90	Is beer.
X 19	Unofficial sample.....	do.....	.....	.....	do.....	do.....	2.12	Is beer.
X 20	Unofficial sample.....	do.....	.....	.....	do.....	do.....	3.70	Is beer.
X 21	Unofficial sample.....	do.....	.....	.....	do.....	do.....	3.75	Is beer. Misbranded.
X 22	Unofficial sample.....	do.....	.....	.....	do.....	do.....	No label.	No label.
X 23	Unofficial sample.....	do.....	.....	.....	Nutro-malt.	"Non intoxicating"	3.80	Is beer. Misbranded. Label false and misleading.
X 24	Unofficial sample.....	do.....	.....	.....	Matthole.	"Non intoxicating"	2.50	Is beer. Misbranded. Label false and misleading.
X 27	Unofficial sample.....	do.....	.....	.....	Temperine.....	.....	4.00	Is beer. Misbranded. No label.

X 28	Unofficial sample....	Harrisburg....	.....	Near beer.....	4.25 Is beer. Misbranded. No label.
X 93	Unofficial sample....	do.....	.....	Ky-lo.....	4.20 Is beer.
X 94	Unofficial sample....	do.....	.....	Fizz.....	3.65 Is beer.
X 95	Unofficial sample....	do.....	.....	Near beer.....	3.75 Is beer.
X 138	Unofficial sample....	Mattoon.....	.....	Non alcoholic beverage.....	4.40 Is beer.
X 153	Unofficial sample....	Harrisburg....	.....	Temperance beer.....	3.63 Is beer.

ILLEGAL COFFEE AND COFFEE COMPOUNDS.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Representation.	Microscopic examination.	Remarks.
A 25	Standard Coffee Co.....	Chicago.....	Standard Coffee Co.	Chicago..	Coffee compound..	Cereal, coffee and chicory.....	Misbranded. Ingredients should be stated.
A 30	Louis Siegel.....	do.....	Louis Siegel.....	do.....	Oriental coffee.....	Coffee, pea, and bean starch.....	Misbranded. Ingredients should be stated. No address of manufacturer or jobber.
A 31	Louis Siegel.....	do.....	do.....	do.....	do.....	do.....	Misbranded. No address of manufacturer or jobber.
A 32	Louis Siegel.....	do.....	do.....	do.....	do.....	Coffee and peas.....	Misbranded. No address of manufacturer or jobber.
A 33	M. Horowitz.....	do.....	M. Horowitz.....	do.....	do.....	do.....	Misbranded. Word "compound" smaller than 8 point caps.
A 34	M. Horowitz.....	do.....	do.....	do.....	do.....	do.....	Misbranded. Word "compound" smaller than 8 point caps.
A 35	M. Horowitz.....	do.....	do.....	do.....	do.....	do.....	Misbranded. Word "compound" smaller than 8 point caps.
A 146	Underwriters Salvage Co.....	do.....	U. S. Co.....	do.....	Ground coffee.....	Foreign starch present.....	Adulterated with cereals.
H 15	Adam Laskowsky.....	Meiose Park.....	Standard Coffee Co.....	do.....	Coffee compound.....	Coffee, cereal, corn starch, chicory.....	Misbranded. Ingredients should be stated.
H 16	Julius E. Abel.....	Bellwood.....	do.....	do.....	do.....	Coffee, cereal and chicory.....	Misbranded. Ingredients should be stated.

ILLEGAL CONFECTIONERY.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Brand.	Representation.	Color.	Remarks.
A 251	The Fair.	Chicago.	Davidson.	Chicago.	De Luxe.	Chocolate candy.		Adulterated. Rancid and mouldy nuts.
A 479	Imperial Vanilla & Candy Co.	.do.	Imperial Vanilla & Candy Co.	.do.	Golden Square.	Butter scotch candy.		
A 489	Ideal Candy Co.	.do.	Ideal Candy Co.	.do.	Russian karamels.	Orange and lemon slices.	Amaranth.	Adulterated with foreign fat. Misbranded. Net weight not correctly stated. Label misleading.
A 490	Ideal Candy Co.	.do.	.do.	.do.			Naphthol yellow S. and orange I	Misbranded. Should be labeled imitation.
A 492	John W. Clark.	.do.	John W. Clark.	.do.		Butter cream Candy.		Adulterated. 1
A 494	John W. Clark.	.do.	.do.	.do.		Candy.		Adulterated. 1
A 496	John W. Clark.	.do.	.do.	.do.		.do.		Adulterated. 1
A 497	John W. Clark.	.do.	.do.	.do.		.do.		Adulterated. 1
A 500	John W. Clark.	.do.	.do.	.do.		.do.		Adulterated. 1
A 501	John W. Clark.	.do.	.do.	.do.		.do.		Adulterated. 1
A 502	John W. Clark.	.do.	.do.	.do.		.do.		Adulterated. 1
I 371	Johnson & Alexander Co.	.do.	Johnson & Alexander Co.	.do.		Jubu nut kiss candy.		Misbranded. Name not on label.

¹ Consists in whole or part of a filthy, putrid or decomposed substance.

ILLEGAL COCOA AND CHOCOLATE.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Brand.
A 246	The Fair.	Chicago.	Runkel Bros., Inc.	New York.	Eagle.
A 250	C. Jevne & Co.	.do.	G. Gherardelli.	San Francisco, Cal.	Gherardelli.
F 215	Charles Smith.	Manchester.	.do.	.do.	Wan Fia.
A 49	M. M. Arkin.	Chicago.	Apollo Chocolate Co.	Boston, Mass.	Apollo.
A 24	Loose Wiles Biscuit Co.	.do.	Cocoa & Chocolate Co.	Jersey City, N. J.	M & S.
A 154	Underwriters Salvage Co.	.do.	U. S. Co.	Chicago.	

H 9	Rosenberg's Department Store	Evanston	Stephen L. Bartlett Co.	Boston, Mass.	Hollandia
H 10	George B. Winter	.do.	Stephen F. Whitman & Son	Philadelphia, Penn.	Whitman's
H 13	Rhodin Bros.	.do.	Sprague Warner & Co.	Chicago	Richelleu
H 14	W. A. Wieboldt & Co.	Chicago	Runkel Bros., Inc.	New York	Eagle
H 17	George E. Burleson	.do.	Knickerbocker Chocolate Co.	.do.	Barker's

ILLEGAL COCOA AND CHOCOLATE—Concluded.

No.	Representation.	Per cent.			Remarks.
		Fat.	Ash.	Sucrose.	
A 246	Ground Chocolate	16.27	2.46	61.0	Misbranded. Should be labeled "Sweetened Cocoa".
A 250	Ground Cocoa	16.10	2.97	57.0	Misbranded. Should be labeled "Sweetened Cocoa".
F 215	Cocoa	21.10	5.46	None	Misbranded. Manufacturer's name not stated.
A 49	Chocolate				Misbranded. Name and address of manufacturers not declared.
A 24	Cocoa	20.4	7.89		Adulterated. Added mineral matter not declared.
A 154	Bulk Cocoa				A decomposed substance unfit for food.
H 9	Sweetened Chocolate	23.9	2.9	60.0	Misbranded. Label false and misleading.
H 10	Instantaneous Chocolate	27.9	2.0	48.0	Misbranded. True name of article not properly declared.
H 13	Powdered Chocolate	11.08	2.62	62.2	Adulterated. Is a sweetened cocoa.
H 14	Sweet Ground Chocolate	17.58	2.5	54.0	Adulterated. Is a sweetened cocoa.
H 17	Cocoa	13.9	3.26	38.6	Adulterated. Is a sweetened cocoa.

ILLEGAL CEREAL PRODUCTS.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Representation.	Remarks.
B 65	Colen & Markowik	Chicago	Washburn-Crosby Co.	Minneapolis, Minn.	Flour.	Adulterated. ¹
H 21	Union Salvage Agency	.do.	.do.	.do.	class flour.	Damaged by fire. Should not be sold as first class flour.
H 22	Union Salvage Co	.do.	.do.	.do.	class flour.	Damaged by fire. Should not be sold as first class flour.
H 23	Union Salvage Co	.do.	.do.	.do.	class flour.	Damaged by fire. Should not be sold as first class flour.
I 169	Viviano Bros	.do.		.do.	Adulterated.	¹
I 170	Viviano Bros	.do.		.do.	Adulterated.	¹
I 171	Viviano Bros	.do.		.do.	Adulterated.	¹
I 172	Viviano Bros	.do.		.do.	Adulterated.	¹

ILLEGAL CEREAL PRODUCTS—Concluded.

No.	Dealer	Address.	Manufacturer or jobber.	Address.	Representation.	Remarks.
I 173	Viviano Bros	Chicago.....	.....	.....	Flour	Adulterated. 1
I 174	Viviano Bros	do.....	.....	.....	do.....	Adulterated. 1
I 175	Viviano Bros	do.....	.....	.....	do.....	Adulterated. 1
I 176	Viviano Bros	do.....	.....	.....	do.....	Adulterated. 1
I 177	Viviano Bros	do.....	.....	.....	do.....	Adulterated. 1
I 178	Viviano Bros	do.....	.....	.....	do.....	Adulterated. 1
I 179	Garibaldi Co.....	do.....	C. Jommi & Co.....	Bologna, Italy.....	Macaroni.....	Adulterated. 1 Misbranded. Contents of package not stated in English.
I 180	Garibaldi Co.....	do.....	do.....	do.....	do.....	Adulterated. 1 Misbranded. Contents of package not stated in English.
I 181	Garibaldi Co.....	do.....	do.....	do.....	do.....	Misbranded. Contents of package not stated in English.

¹ Consists in whole or part of a filthy, animal substance.

MILK.

Four hundred thirty-six samples of milk were examined, of which 50 were found to be illegal. Thirty-one of these were below the legal limit of eight and five-tenths per cent (8.5%) solids not fat. Fifteen samples contained less than three per cent (3%) milk fat. Two samples, adulterated with gelatine, will be considered under the discussion of "Sour Cream."

ILLEGAL DAIRY PRODUCTS—MILKS.

No.	Dealer.	Address.	Representa- tion.	Lacto- meter reading.	Per cent total solids.	Per cent fat.	Per cent solids not fat.	Remarks.
A 277	H. Padde.....	Elgin.....	Milk.....	29.1	10.62	3.0	7.62	Below standard in solids not fat.
A 286	M. Semans	Chicago.....	Sour milk.....	.....	.....	4.5	.....	Adulterated with gelatine.
A 313	H. Rosenthal	do.....	do.....	.....	.....	4.8	.....	Adulterated with gelatine.
A 334	Frank Gendralino	do.....	Milk.....	33	.....	2.9	8.92	Below standard in fat.
A 386	Louis Bliskiz.....	do.....	do.....	35	.....	1.86	9.12	Below standard in fat.
B 27	Shrader & Hooker.....	Dixon.....	do.....	35	.....	2.3	.....	Below standard in fat.
B 28	Smith Bros	do.....	do.....	33	.....	2.3	.....	Below standard in fat.
B 29	Baker's Restaurant	do.....	do.....	35	.....	2.0	.....	Below standard in fat.
5	Ed. J. Blumberg.....	Maryville.....	do.....	29.5	12.2	4.0	7.93	Below standard in solids not fat.
C 6	W. Wilke	do.....	do.....	23.2	12.39	4.2	7.8	Below standard in solids not fat.
C 8	Clint Warner.....	Monticello.....	do.....	23.2	10.46	3.8	6.66	Below standard in solids not fat.

F	N. J. Rosenkoetter	Quincy	22	9.81	13.0	6.81	Below standard in solids not fat.
F	N. J. Rosenkoetter	do.	23	do.	3.0	do.	Below standard in fat.
F	H. H. Ragerbauer	do.	26	11.31	2.4	7.41	Below standard in solids not fat.
F	Aug. Hentchen	do.	28	11.56	3.90	7.76	Below standard in solids not fat.
F	H. H. Stocum	do.	30	do.	3.8	8.17	Below standard in solids not fat.
F	E. C. Zander	do.	30	do.	3.3	7.54	Below standard in solids not fat.
F	Jefferson H. ts.	do.	28	11.04	3.5	8.4	Below standard in solids not fat.
F	Aug. Mewes	Quincy	30.6	do.	3.7	7.61	Below standard in solids not fat.
F	John Rosenkoetter	do.	28	11.31	3.7	6.97	Below standard in solids not fat.
F	C. G. Weisenborn	do.	28	10.37	4.1	7.93	Below standard in solids not fat.
F	C. G. Weisenborn	do.	30	12.03	4.1	7.96	Below standard in solids not fat.
F	John Ambrose	do.	29	do.	3.5	7.96	Below standard in solids not fat.
H	John Ambrose	do.	35	do.	2.8	9.32	Below standard in fat.
H	Lombard Sanitary Milk Co	Lombard	34.1	do.	3.6	6.00,000 bacteria per C.C.	Plithy and unfit for food.
I	E. J. Gray	Decatur	do.	do.	do.	Contains tubercle bacilli.	
I	37 Jones Farm.	Lincoln	do.	do.	do.	Contains tubercle bacilli.	
I	38 State Farm.	do.	34	do.	4.7	do.	
I	F. W. Park Dairy Co.	Decatur	34	do.	4.1	6.87	Below standard in fat, and in solids not fat.
I	Charles Hatter	Galeta	37.4	do.	1.9	do.	
J	James Woomer	Red Oak	31	11.67	2.7	8.27	Below standard in solids not fat.
J	Robert Becker	Elmhurst	26.6	10.48	3.1	7.33	Below standard in solids not fat.
J	Robert Becker	do.	28.5	10.92	3.3	7.62	Below standard in solids not fat.
J	Robert Becker	do.	29.4	11.96	3.8	8.18	Below standard in solids not fat.
J	Robert Becker	do.	28.3	11.45	3.8	7.65	Below standard in solids not fat.
J	Robert Becker	do.	28.0	9.59	2.7	6.89	Below standard in fat, and in solids not fat.
K	Irving Murray	Bloomington	36	do.	2.8	do.	
N	Ashley Condensery	Ashley	33	11.61	2.8	8.81	Below standard in fat.
N	Ashley Condensery	do.	33	10.65	3.0	7.65	Below standard in solids not fat.
N	Ashley Condensery	do.	30.5	11.26	3.1	8.16	Below standard in solids not fat.
N	Ashley Condensery	do.	27	10.23	3.0	7.28	Below standard in solids not fat.
N	Ashley Condensery	do.	28.5	12.00	4.1	7.90	Below standard in solids not fat.
N	Ashley Condensery	do.	32.9	10.16	1.8	8.36	Below standard in fat.
N	Flint Sanitary Milk Co.	Joliet..?	52	10.66	2.0	8.66	Below standard in solids not fat.
N	Flint Sanitary Milk Co.	do.	32.9	10.35	3.0	7.35	Below standard in solids not fat.
S	Weber Dairy Co.	do.	27	10.35	3.4	7.69	Below standard in solids not fat.
S	Chas. Lindstrom.	do.	28	10.84	3.2	7.64	Below standard in solids not fat.
S	J. H. Whde.	do.	33	11.72	2.8	8.92	Below standard in fat
X	Unofficial.	Rock Island	33	11.33	3.6	7.73	Below standard in solids not fat.
X	Unofficial.	Decatur	28	11.33	3.6	7.73	Below standard in solids not fat.
X	Unofficial.	do.	29	11.46	3.5	7.96	Below standard in solids not fat.

CREAM.

During the year, 108 samples of sweet cream were analyzed, of which number 12 were found to be illegal. In all but one of these cases the butter fat content was less than the legal limit of eighteen per cent (18%). One sample possessed a marked odor of cresol bodies. Investigation showed that the farmer had used a cresol fly wash on his cattle. During the milking some of this had entered the milk.

"SOUR CREAM."

A very flagrant abuse that was thoroughly investigated during the summer months was the adulteration of sour cream with gelatine. Among certain classes of immigrants there is a demand for sour cream. In order to prepare a product which was cheap, and at the same time very thick, unscrupulous dealers resorted to the practice of adding gelatine to the sour cream. In this manner it was possible to prepare a product from milk of low fat values, and give it the appearance of a rich, creamy substance. In many cases, cream below standard was employed. And even in those samples which had a high fat content, gelatine was found to be present. The gelatine, in all cases, is the source of fraud, not only in that it makes the product appear of greater value than it really is, or in that it violates section 16 of the Food Law, but because it causes a marked increase in the original volume of cream. Thus a pint of cream would produce more than a pint of finished product, due to the incorporation of air in the jelly-like mass, and to the increase in volume due to the gelatine relation itself.

The product has been variously sold as "Sour Cream"; "Butter Cream"; "Ripe Cream"; "Special Cream"; "Special Sour Cream." All the samples taken up by the inspectors contained gelatine. (See attorney's report.)

ILLEGAL DAIRY PRODUCTS—CREAM.

No.	Dealer.	Address	Representation.	Percent fat.	Remarks.
A 229	John Grogan & Bro.	Chicago	Mixed milk and cream.	3.5	Milk.
A 238	Meyer Seamans.	do.	Sour cream	20.5	Adulterated with gelatin.
A 230	S. Schnitz.	do.	do.	19.5	Adulterated with gelatin.
A 231	S. Schnitz.	do.	do.	30.0	Adulterated with gelatin.
A 232	Sam Sakalsky.	do.	do.	11.5	Below standard in fat.
A 233	Sam Sakalsky.	do.	Butter cream.	34.0	Adulterated with gelatin.
A 234	Margolin Vasserma.	do.	Special sour cream.	28.0	Adulterated with gelatin.
A 235	Star Dairy.	do.	Sour cream	10.25	Below standard in fat.
A 236	A. Muslow.	do.	Special cream.	18.5	Adulterated with gelatin.
A 237	Louis Rosen Dairy.	do.	Sour cream	42.25	Below standard in fat.
A 238	E. Tobin & Co.	do.	do.	12.0	Adulterated with gelatin.
A 239	Western Dairy Co.	do.	do.	18.0	Below standard in fat.
A 300	M. Turber.	do.	do.	28.0	Adulterated with gelatin.
A 301	M. Turber.	do.	do.	29.5	Adulterated with gelatin.
A 303	Sam Weinstein.	do.	do.	20.0	Adulterated with gelatin.
A 312	H. Rosenthal.	do.	do.	25.0	Adulterated with gelatin.
A 314	H. Rosenthal.	do.	do.	34.75	Adulterated with gelatin.
A 315	J. Levin.	do.	do.	36.9	Adulterated with gelatin.
A 316	Schiff & Riback.	do.	Butter cream	.....	Adulterated with gelatin.

A 317	Schiff & Riback.....	do.....	Sour cream.....	31.1	Adulterated with gelatin.
A 318	Joe Shifels.....	do.....	Special cream.....	23.3	Adulterated with gelatin.
A 319	Joe Shifels.....	do.....	Ripe cream.....	29.4	Adulterated with gelatin.
A 320	United Dairy Co.....	do.....	do.....	18.0	Adulterated with gelatin.
A 321	H. Peil.....	do.....	Butter cream.....	18.0	Adulterated with gelatin.
A 322	D. Leverman.....	do.....	do.....	18.4	Adulterated with gelatin.
A 323	M. Max Elch.....	do.....	do.....	16.0	Adulterated with gelatin.
A 324	Alex. Alessiuskis.....	do.....	do.....	11.5	Below standard in fat.
A 325	Frank Gendralius.....	do.....	do.....	14.5	Below standard in fat.
A 326	do.....	do.....	do.....	16.0	Below standard in fat.
A 327	Louis Bliskig.....	do.....	Cream.....	27.0	Contaminated with cresol-like substance.
B 9	Joster Stanbrough.....	Dixon.....	do.....	16.0	Below standard in fat.
B 12	Wm. Carlsen.....	do.....	do.....	14.0	Below standard in fat.
B 78	John R. Thompson.....	Springfield.....	do.....	17.5	Below standard in fat.
F 97	J. A. S. Elhart.....	Quincy.....	do.....	13.5	Below standard in fat.
I 86	Johnson's Creamery.....	Stewardson.....	do.....	14.5	Below standard in fat.
K 78	Gus Tarrlott.....	Clinton.....	do.....	16.0	Below standard in fat.
L 81	Calhoun Creamery.....	Calhoun.....	do.....	17.0	Below standard in fat.
L 81	J. Newberry.....	Newton.....	do.....	17.0	Below standard in fat.
R 58	Robert Bargren.....	Rockford.....	do.....	17.0	Below standard in fat.
S 32	F. J. Rutieger.....	Joliet.....	do.....	17.0	Below standard in fat.
S 157	Unofficial Sample.....	Rock Island.....	do.....	17.0	Below standard in fat.
X 158	Unofficial Sample.....	do.....	do.....	17.0	Below standard in fat.

BUTTER AND OLEOMARGARINE.

The substitution of oleomargarine for butter is the chief cause of the illegality of butter samples. Of the 57 samples analyzed, 39 were illegal. Thirty-five of these were oleomargarine sold for butter. The provisions of the Oleomargarine Act are very explicit.

ILLEGAL DAIRY PRODUCTS, BUTTER AND BUTTER SUBSTITUTES.

No.	Dealer.	Address.	Sold for.	Found to be.	Spoon test.	Refrac- tive in dex at 25° C.	Reich- ert- Meissl No.	Color.	Cot- ton seed oil.	Remarks.
A 58	The Fair	Chicago.	Butter	Butter .....	.....	.....	.....	.....	.....	Below standard in butter fat. 1
B 291	Garden City Creamery	do.....	do.....	Colored Oleomargarine.....	Does not foam.	1.4448	0.5	Annatto.....	Yes..	Misbranded. 1
B 292	Garden City Creamery	do.....	do.....	do.....	do.....	1.4448	0.5	do.....	do.....	Misbranded. 1
B 317	Sycamore Coffee Store	do.....	do.....	Uncolored Oleomargarine.....	do.....	1.4635	8.2	do.....	No..	Misbranded. 1
B 318	Sycamore Coffee Store	do.....	do.....	do.....	do.....	1.4636	8.1	do.....	do.....	Misbranded. 1

ILLEGAL DAIRY PRODUCTS, BUTTER AND BUTTER SUBSTITUTES—Concluded.

No.	Dealer.	Address.	Sold for.	Found to be.	Spoon test.	Refractive index at 25° C.	Reichert-Meissl No.	Color.	Cotton seed oil.	Remarks.
B 319	West Side Coffee Store	do	do	do	Does not foam.	1.4638	8.9	Coal tar	do	Misbranded.
C 231	New City Produce Co.	do	do	Colored Oleomargarine	do	1.4647	1.9	Annatto	do	Misbranded.
C 232	Garden City Butter Store	do	do	do	do	1.4647	1.8	do	Yes	Misbranded.
C 233	Sycamore Coffee Store	do	do	Uncolored Oleomargarine	do	1.4632	11.1	do	do	Misbranded.
C 234	New City Produce Co.	do	do	Colored Oleomargarine	do	1.4643	9.4	Coal tar	No	Misbranded.
H 290	Garden City Creamery Co.	do	do	do	do	1.4652	1.6	Annatto	do	Misbranded.
H 740	West Side Coffee Store	do	do	do	do	1.4645	2.2	do	do	Misbranded.
H 742	Garden City Creamery Co.	do	do	do	do	1.4650	0.1	Vegetable	do	Misbranded.
H 743	Sycamore Coffee Store	do	do	Uncolored Oleomargarine	do	1.4637	9.3	do	do	Misbranded.
H 744	New City Produce Co.	do	do	Colored Oleomargarine	do	1.4644	0.6	Coal tar	No	Misbranded.
I 219	Roule Tea Co.	do	do	do	do	1.4652	0.4	Annatto	Yes	Misbranded.
I 220	Garden City Creamery Co.	do	do	do	do	1.4642	0.3	Coal tar	do	Misbranded.
I 221	New City Produce Co.	do	do	do	do	1.4642	0.1	Annatto	do	Misbranded.
I 222	West Side Coffee Store	do	do	Uncolored Oleomargarine	do	1.4627	8.7	do	do	Misbranded.
I 398	Sycamore Coffee Store	do	do	do	do	1.4639	10.3	do	do	Misbranded.
I 400	West Side Coffee Store	do	do	do	do	1.4636	10.1	do	do	Misbranded.
I 402	West Side Coffee Store	do	do	Colored Oleomargarine	do	1.4651	0.1	Coal tar	No	Misbranded.
I 403	New City Produce Co.	do	do	do	do	1.4632	0.4	do	do	Misbranded.
J 12	American Restaurant	Peoria	do	do	do	1.4657	0.2	Annatto	Yes	Misbranded.
J 13	A. N. Clausen	do	do	Oleomargarine	do	1.4659	0.4	do	do	Misbranded.
J 14	Penny Grocery Co. No. 1	do	do	do	do	1.4649	5.1	Butter	do	Misbranded.
J 26	Swift & Co.	do	Butter	do	do	do	do	do	do	Below standard in butter fat.
K 11	Mandel & Schwartzman	Chicago	Oleomargarine	Colored Oleomargarine	do	1.4650	3.1	Butter	Yes	Misbranded.
K 422	Linden Tea Co.	do	Butter	do	do	1.4652	0.5	Annatto	do	Misbranded.
K 423	Highland Tea Store	do	do	Uncolored Oleomargarine	do	1.4637	9.1	do	do	Misbranded.
K 424	Garden City Butter Store	do	do	Colored Oleomargarine	do	1.4655	0.8	Annatto	do	Misbranded.
K 425	R. B. Singer	do	do	Uncolored Oleomargarine	do	1.4655	5.5	do	do	Misbranded.
K 426	Sylvester & Co.	do	do	do	do	1.4645	6.3	do	do	Misbranded.
K 427	B. J. Balch	do	do	do	do	1.4640	6.9	do	do	Misbranded.
K 428	New City Produce Co.	do	do	Colored Oleomargarine	do	1.4641	1.8	Coal tar	No	Misbranded.
K 430	Sycamore Coffee Store	do	do	Uncolored Oleomargarine	do	1.4633	9.1	do	Yes	Misbranded.
X 130	Unofficial sample	Elgin	Butter fat substitute.	Probably Peanut Oil	do	1.4687	27.25	do	No	do
X 131	Unofficial sample	do	Packing stock	do	Does foam	1.4596	23.8	do	do	Below standard in Butter fat.
X 132	Unofficial sample	Chicago	Butter	do	do	1.4611	23.8	do	do	do

1 Stamped Oleomargarine in type smaller than required by law. 2 Package not stamped.

EVAPORATED MILK.

During the year the standard for unsweetened condensed milk was changed to read as follows:

“Evaporated Milk, Unsweetened Condensed Milk, is milk from which a considerable portion of the water has been evaporated and contains not less than seven and eight-tenths per cent (7.8%) of milk fat, and not less than twenty-five and five-tenths per cent (25.5%) of total milk solids. This standard is fully effective January 1, 1915.”

The illegal condensed milks reported below were based on the old standard of “not less than 7.8 per cent milk fat, and the sum of twice the milk fat plus solids not fat shall not be less than 34.3 per cent.”

ILLEGAL DAIRY PRODUCTS—EVAPORATED MILKS.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Brand.	Representation.	Total solids per cent.	Fat per cent.	Total solids and fat per cent.	Remarks.
F 107	Gaudio & Bertoglio.....	Bend.....	Haas-Lieber Grocery Co.....	St. Louis, Mo.....	American Lady.....	Evaporated milk	25.75	7.60	33.35	1
H 29	Tetenk Bros.....	Chicago.....	Denmark Condensed Milk Co.....	Denmark, Wis.....	Deniah Prize.....	do	24.39	7.64	32.03	1
H 40	The Fair.....	do	Van Camp Packing Co.....	Indianapolis, Ind.....	Van Camp's.....	do	27.01	7.60	34.61	1
H 49	Rothschild & Co.....	do	The Delavan Condensing Milk Co.....	Delavan, Wis.....	Beauty.....	do	24.77	7.60	32.37	1
H 53	Randolph Market.....	do	Denmark Condensed Milk Co.....	Denmark, Wis.....	Danish.....	do	25.42	7.60	33.02	1
H 54	Durand & Kasper Co.....	do	Durand & Kasper Co.....	Chicago.....	White Bear.....	do	25.67	7.80	33.47	1
H 55	Sheppard-Strassheim Co.....	do	Hires' Condensed Milk Co.....	Philadelphia.....	Hires' Gold.....	do	25.73	7.60	33.33	1
H 58	Reid, Murdoch & Co.....	do	Reid, Murdoch & Co.....	Chicago.....	Monarch.....	do	25.75	8.00	33.75	1
H 63	Sprague, Warner & Co.....	do	Sprague, Warner & Co.....	Chicago.....	Richellen.....	do	26.10	8.00	34.10	1
H 79	Rothschild & Co.....	do	Ohio Dairy Co.....	Delavan, Wis.....	Beauty.....	do	.....	7.46	.....	.....
I 90	Henry Horner Co.....	do	Hires' Condensed Milk Co.....	Toledo.....	Buckeye.....	do	.....	7.64	.....	.....
I 91	Henry Horner Co.....	do	Hires' Condensed Milk Co.....	Philadelphia.....	Hires' Gold.....	do	.....	7.67	.....	.....
I 92	Henry Horner Co.....	do	National Condensed Milk Co.....	Chicago.....	Globe.....	do	.....	7.87	.....	.....
J 8	Rye & Johannes.....	Pekin.....	Wilson Grocery Co.....	Peoria.....	Royal Arms.....	do	25.65	7.88	33.53	1
J 97	The Penny Grocery.....	Peoria.....	F. J. Brons.....	do	do	do	24.79	7.90	31.90	1
X 90	Unofficial sample.....	Chicago.....	.....	do	do	do	26.80	7.72	33.80	1
L 29	Zang Bros.....	Kewanee.....	Oakford & Fahnstock.....	Peoria.....	Favorite.....	Skimmed milk powder	.....	.....	.....	4

* Low in fat.

* Misbranded. Label misleading.

1 Low in fat and in total solids and fat.

* Low in total solids and fat.

EGGS.

During the latter half of the year, considerable attention was paid to the egg situation of Chicago. In cooperation with the Federal and city authorities we conducted a vigorous campaign against the very widespread traffic in rotten eggs. These investigations have disclosed the facts that many commission merchants solicit the "rejects" of the country egg dealers; and that these eggs with the "rejects" of the Chicago markets are sold to the housewives in the poorer districts, to the less reputable bakeries, and to manufacturers of frozen desiccated egg products. The cases shipped in interstate commerce were variously marked. Some of the designations are as follows: "Unfit for human food"; "Inedible"; "Rot Spots."

Action under the provisions of section 29 of the Dairy and Food Law, inspectors made 34 seizures, aggregating over 1,200 cases of eggs. In some cases the eggs were voluntarily destroyed; in others salvage by the usual "candling" method was resorted to. However, certain seizures of eggs taken on the premises of C. H. Weaver & Co. were brought into court under section 10 of the Food Law. The Perfection Egg Company entered as claimant.

The jury found in favor of the State but Judge Jarecki granted the claimants a new trial. A second jury also found in favor of the State and Judge Mahony refused the motion for a new trial. The case is now pending in the Appellate Court.

Our activities have extended into the frozen egg industry, which is the natural outlet for most of the eggs unfit for food. There is a legitimate business in the preparation of frozen eggs, yolks and whites; in this way many eggs may be conserved which would become a total loss if handled in the usual manner. The eggs are broken by hand, placed in tin containers, usually 20 or 30 pounds, and kept in a frozen condition until sold to the baker. The temptation of using very questionable eggs is obvious. Moreover, many egg breakers do not realize the importance of the proper sanitary methods of handling this very perishable product. In this way it has come about that hundreds of cans of frozen egg, consisting at the outset of reasonably good material, have spoiled before being properly chilled.

Three hundred and seven samples of frozen whole egg or yolk were examined, of which 152 were declared adulterated and unfit for food. The samples were taken from various cans in different lots held in cold storage and belonging principally to Katz & Co., R. Smithson, and J. M. Power & Co.

Seizures were made as follows:

S. Katz & Co.....	1,255 cans	J. M. Power & Co....	624 cans
R. Smithson.....	2,036 cans		

By agreement, the eggs belonging to S. Katz & Co., and R. Smithson were salvaged, with the result that 535 cans were condemned and rendered unfit for food in the first case and 384 in the second. Disposition of the eggs belonging to J. M. Power & Co. is pending.

Conditions at the Eastern Egg Company were found very unsanitary, the eggs used were in most cases unfit for food. Several seizures were made, resulting in condemnation and fines. As a result of this activity the Eastern Egg Company discontinued the egg-breaking business.

SHELL EGGS.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Representation.	Per- cent- age of doubt- ful eggs.	Per- cent- age of inedi- table eggs.
A 326	Swift & Co.	Chicago.	Swift & Co.	Chicago.	Inedible.	0.8	88.9
A 327	C. H. Weaver & Co.	do.	S. Jostrom Bros.	Marcus, Iowa.	To be used for manufacturing pur- poses.	1.6	66.5
A 328	M. Zientek & Co.	do.	John A. Jacobs.	Chicago.	No. 2, dirty egg.	4.2	48.6
A 329	C. H. Weaver & Co.	do.	C. H. Weaver & Co.	do.		2.7	81.9
A 330	C. H. Weaver & Co.	do.	H. M. Noack & Sons	Arlington, Minn.		11.7	65.4
A 331	Eastern Egg Co.	do.	Eastern Egg Co.	Chicago.		36.1	49.7
A 332	Eastern Egg Co.	do.	do.	do.		25.1	63.9
A 333	Eastern Egg Co.	do.	Sol. Schulman.	do.		5.6	74.9
A 427	Perfection Baking Co.	do.	C. H. Weaver & Co.	do.		22.3	94.4
B 56	C. H. Weaver & Co.	do.	C. H. Weaver & Co.	do.		27.5	41.4
B 57	C. H. Weaver & Co.	do.	Power City Cold Storage & Produce Co.	Sioux Falls, S. D.		2.2	35.6
B 58	C. H. Weaver & Co.	do.	Independence Produce Co.	Independence, Ia.	"For manufacturing purposes only."	33.3	64.5
B 60	Tyler & Ashton.	do.	M. Shire.	Chicago.	Spots.	13.2	86.8
B 63	Cohan & Markowitz.	do.	Canton Poultry Co.	Chicago.		4.3	78.7
B 64	Aaron & Hellman.	do.	Perfection Egg Co.	Canton, Mo.		20.0	80.0
B 67	Perfection Egg Co.	do.	do.	Chicago.	{ Case I	33.1	66.9
B 68	Perfection Egg Co.	do.	do.	do.	{ Case I	18.9	81.1
B 69	Perfection Egg Co.	do.	do.	do.	{ Case II	29.2	70.8
B 70	Perfection Egg Co.	do.	do.	do.	{ Case II	19.2	80.8
D 8	Perfection Egg Co.	do.	do.	do.		9.0	78.8
D 11	Perfection Egg Co.	do.	do.	do.		6.3	83.3
D 12	Perfection Egg Co.	do.	do.	do.		26.6	73.4
D 13	Booth Cold Storage Co.	do.	do.	do.		9.2	90.8
D 14	Booth Cold Storage Co.	do.	do.	do.		40.6	59.4
D 15	Booth Cold Storage Co.	do.	do.	do.		24.4	75.6
D 16	Booth Cold Storage Co.	do.	S. Weinger.	do.		1.1	97.2
D 17	Booth Cold Storage Co.	do.	Arthur Weisenthal	do.		13.7	80.1
D 18	Booth Cold Storage Co.	do.	Morris & Co.	do.		3.3	96.7
D 19	Booth Cold Storage Co.	do.	Harro Chelnek	do.			
D 20	Booth Cold Storage Co.	do.	J. R. Rosenberg & Co.	do.			
D 21	Booth Cold Storage Co.	do.	C. H. Weaver & Co.	do.			
D 22	Booth Cold Storage Co.	do.	C. H. Weaver & Co.	do.			
D 23	Booth Cold Storage Co.	do.	W. F. Priebe Co.	do.			
D 24	Booth Cold Storage Co.	do.	W. F. Priebe Co.	do.			
D 25	Booth Cold Storage Co.	do.	C. H. Weaver & Co.	do.			
D 26	Booth Cold Storage Co.	do.	Swift & Co.	do.			
D 27	Booth Cold Storage Co.	do.	Morris & Co.	do.			
D 28	Booth Cold Storage Co.	do.	Morris & Co.	do.			
D 29	Booth Cold Storage Co.	do.	Morris & Co.	do.			
D 30	Booth Cold Storage Co.	do.	Sol. W. Schulman	do.			
D 31	Booth Cold Storage Co.	do.	Sol. W. Schulman	do.			
D 32	Booth Cold Storage Co.	do.	H. E. Marlow.	do.			
D 33	Booth Cold Storage Co.	do.		do.			
D 34	Booth Cold Storage Co.	do.		do.			
D 35	Booth Cold Storage Co.	do.		do.			
D 36	Booth Cold Storage Co.	do.		do.			
D 37	Booth Cold Storage Co.	do.		do.			
D 38	Booth Cold Storage Co.	do.		do.			
D 39	Booth Cold Storage Co.	do.		do.			
D 40	Booth Cold Storage Co.	do.		do.			
D 41	Booth Cold Storage Co.	do.		do.			
D 42	Booth Cold Storage Co.	do.		do.			
D 43	Booth Cold Storage Co.	do.		do.			
D 44	Booth Cold Storage Co.	do.		do.			
D 45	Booth Cold Storage Co.	do.		do.			
D 46	Booth Cold Storage Co.	do.		do.			
D 47	Booth Cold Storage Co.	do.		do.			
D 48	Booth Cold Storage Co.	do.		do.			
D 49	Booth Cold Storage Co.	do.		do.			
D 50	Booth Cold Storage Co.	do.		do.			
D 51	Booth Cold Storage Co.	do.		do.			
D 52	Booth Cold Storage Co.	do.		do.			
D 53	Booth Cold Storage Co.	do.		do.			
D 54	Booth Cold Storage Co.	do.		do.			
D 55	Booth Cold Storage Co.	do.		do.			
D 56	Booth Cold Storage Co.	do.		do.			
D 57	Booth Cold Storage Co.	do.		do.			
D 58	Booth Cold Storage Co.	do.		do.			
D 59	Booth Cold Storage Co.	do.		do.			
D 60	Booth Cold Storage Co.	do.		do.			
D 61	Booth Cold Storage Co.	do.		do.			
D 62	Booth Cold Storage Co.	do.		do.			
D 63	Booth Cold Storage Co.	do.		do.			
D 64	Booth Cold Storage Co.	do.		do.			
D 65	Booth Cold Storage Co.	do.		do.			
D 66	Booth Cold Storage Co.	do.		do.			
D 67	Booth Cold Storage Co.	do.		do.			
D 68	Booth Cold Storage Co.	do.		do.			
D 69	Booth Cold Storage Co.	do.		do.			
D 70	Booth Cold Storage Co.	do.		do.			
D 71	Booth Cold Storage Co.	do.		do.			
D 72	Booth Cold Storage Co.	do.		do.			
D 73	Booth Cold Storage Co.	do.		do.			
D 74	Booth Cold Storage Co.	do.		do.			
D 75	Booth Cold Storage Co.	do.		do.			
D 76	Booth Cold Storage Co.	do.		do.			
D 77	Booth Cold Storage Co.	do.		do.			
D 78	Booth Cold Storage Co.	do.		do.			
D 79	Booth Cold Storage Co.	do.		do.			
D 80	Booth Cold Storage Co.	do.		do.			
D 81	Booth Cold Storage Co.	do.		do.			
D 82	Booth Cold Storage Co.	do.		do.			
D 83	Booth Cold Storage Co.	do.		do.			
D 84	Booth Cold Storage Co.	do.		do.			
D 85	Booth Cold Storage Co.	do.		do.			
D 86	Booth Cold Storage Co.	do.		do.			
D 87	Booth Cold Storage Co.	do.		do.			
D 88	Booth Cold Storage Co.	do.		do.			
D 89	Booth Cold Storage Co.	do.		do.			
D 90	Booth Cold Storage Co.	do.		do.			
D 91	Booth Cold Storage Co.	do.		do.			
D 92	Booth Cold Storage Co.	do.		do.			
D 93	Booth Cold Storage Co.	do.		do.			
D 94	Booth Cold Storage Co.	do.		do.			
D 95	Booth Cold Storage Co.	do.		do.			
D 96	Booth Cold Storage Co.	do.		do.			
D 97	Booth Cold Storage Co.	do.		do.			
D 98	Booth Cold Storage Co.	do.		do.			
D 99	Booth Cold Storage Co.	do.		do.			
D 100	Booth Cold Storage Co.	do.		do.			
D 101	Booth Cold Storage Co.	do.		do.			
D 102	Booth Cold Storage Co.	do.		do.			
D 103	Booth Cold Storage Co.	do.		do.			
D 104	Booth Cold Storage Co.	do.		do.			
D 105	Booth Cold Storage Co.	do.		do.			
D 106	Booth Cold Storage Co.	do.		do.			
D 107	Booth Cold Storage Co.	do.		do.			
D 108	Booth Cold Storage Co.	do.		do.			
D 109	Booth Cold Storage Co.	do.		do.			
D 110	Booth Cold Storage Co.	do.		do.			

SHELL EGGS—Continued.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Representation.	Per- cent- age of doubt- ed eggs.	Per- cent- age of inad- missible eggs.
N 12	Tyler & Ashton.....	Chicago.	Tyler & Ashton.....	Chicago.....	"For manufacturing purposes only".	8.3	18.3
N 13	C. H. Weaver.....	.do.	Marsh L. Brown.....	.do.	.do.	21.6	73.4
N 14	Tyler & Ashton.....	.do.	Tyler & Ashton.....	.do.	"For manufacturing purposes only".	2.8	73.4
N 15	Turner, Nohr & Co.....	.do.	Turner, Nohr & Co.....	.do.	.do.	5.5	77.8
							66.8

These samples were declared adulterated, in that they consisted wholly or in part of a putrid or decomposed vegetable substance.

FROZEN WHOLE EGGS.

No	Dealer.	Address.	Manufacturer or jobber.	Address.	Percentage of ammoniacal nitrogen.	Remarks.
A 329	Eastern Egg Co.	Chicago.....	Eastern Egg Co.....	Chicago.....	.003	1
A 345	Eastern Egg Co.	.do.	.do.	.do.	.0030	
A 350	Sam Katz & Co.	.do.	Sam Katz & Co.	.do.	.0038	
A 351	Sam Katz & Co.	.do.	.do.	.do.	.0048	
A 353	Sam Katz & Co.	.do.	.do.	.do.	.0038	
A 354	Sam Katz & Co.	.do.	.do.	.do.	.0047	
A 355	Sam Katz & Co.	.do.	.do.	.do.	.0035	
A 356	Sam Katz & Co.	.do.	.do.	.do.	.0033	
A 357	Sam Katz & Co.	.do.	.do.	.do.	.0044	
A 359	Sam Katz & Co.	.do.	.do.	.do.	.0036	
A 361	Sam Katz & Co.	.do.	.do.	.do.	.0035	
A 366	Sam Katz & Co.	.do.	.do.	.do.	.0037	
A 373	Sam Katz & Co.	.do.	.do.	.do.	.0030	
A 374	Sam Katz & Co.	.do.	.do.	.do.	.0073	
A 375	Sam Katz & Co.	.do.	.do.	.do.	.0064	
A 376	Sam Katz & Co.	.do.	.do.	.do.	.0037	
A 377	Sam Katz & Co.	.do.	.do.	.do.	.0047	
A 378	Sam Katz & Co.	.do.	.do.	.do.	.0047	

FROZEN WHOLE EGGS—Concluded.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Percentage of ammoniacal nitrogen.	Remarks.
D 80	R. Smithson.....	Chicago.....	R. Smithson.....	Chicago.....	.0082	
D 81	R. Smithson.....	do.....	do.....	do.....	.0059	
D 82	Kalin Bros. & Co.....	do.....	Kalin Bros. & Co.....	do.....	.0076	
D 83	Kalin Bros. & Co.....	do.....	do.....	do.....	.0102	
D 84	Kalin Bros. & Co.....	do.....	do.....	do.....	.0090	
D 85	Kalin Bros. & Co.....	do.....	do.....	do.....	.0087	
D 86	Kalin Bros. & Co.....	do.....	do.....	do.....	.0018	
D 87	Kalin Bros. & Co.....	do.....	do.....	do.....	.0021	
D 88	Kalin Bros. & Co.....	do.....	do.....	do.....	.0087	
D 89	Kalin Bros. & Co.....	do.....	do.....	do.....	.0086	
D 90	Kalin Bros. & Co.....	do.....	do.....	do.....	.0047	
D 91	Kalin Bros. & Co.....	do.....	do.....	do.....	.0031	
D 92	Kalin Bros. & Co.....	do.....	do.....	do.....	.0041	
D 93	Kalin Bros. & Co.....	do.....	do.....	do.....	.0048	
D 94	Kalin Bros. & Co.....	do.....	do.....	do.....	.0041	
D 95	Kalin Bros. & Co.....	do.....	do.....	do.....	.0047	
D 96	Kalin Bros. & Co.....	do.....	do.....	do.....	.0077	
I 185	Sam Katz & Co.....	do.....	Sam Katz & Co.....	do.....	.0035	
I 186	Sam Katz & Co.....	do.....	do.....	do.....	.0042	
I 187	Sam Katz & Co.....	do.....	do.....	do.....	.0044	
I 188	Sam Katz & Co.....	do.....	do.....	do.....	.0056	
I 189	Sam Katz & Co.....	do.....	do.....	do.....	.0085	
I 190	Sam Katz & Co.....	do.....	do.....	do.....	.0087	
I 201	Sam Katz & Co.....	do.....	do.....	do.....	.0044	
I 202	Sam Katz & Co.....	do.....	do.....	do.....	.0047	
I 203	Sam Katz & Co.....	do.....	do.....	do.....	.0033	
I 204	Sam Katz & Co.....	do.....	do.....	do.....	.0087	
I 205	Sam Katz & Co.....	do.....	do.....	do.....	.0049	
I 206	Sam Katz & Co.....	do.....	do.....	do.....	.0045	
I 207	Sam Katz & Co.....	do.....	do.....	do.....	.0040	
I 208	Sam Katz & Co.....	do.....	do.....	do.....	.0039	
I 209	Sam Katz & Co.....	do.....	do.....	do.....	.0044	
I 210	Sam Katz & Co.....	do.....	do.....	do.....	.0041	
I 211	Sam Katz & Co.....	do.....	do.....	do.....	.0049	
I 212	Sam Katz & Co.....	do.....	do.....	do.....	.0077	
I 213	Sam Katz & Co.....	do.....	do.....	do.....	.0043	
I 214	Sam Katz & Co.....	do.....	do.....	do.....	.0040	
I 215	Sam Katz & Co.....	do.....	do.....	do.....	.0049	
I 216	Sam Katz & Co.....	do.....	do.....	do.....	.0045	
I 217	Sam Katz & Co.....	do.....	do.....	do.....	.0040	
I 218	Sam Katz & Co.....	do.....	do.....	do.....	.0044	
I 219	Sam Katz & Co.....	do.....	do.....	do.....	.0041	
I 220	Sam Katz & Co.....	do.....	do.....	do.....	.0049	
I 221	Sam Katz & Co.....	do.....	do.....	do.....	.0077	
I 222	Sam Katz & Co.....	do.....	do.....	do.....	.0043	
I 223	Sam Katz & Co.....	do.....	do.....	do.....	.0040	

¹ Pronounced rotten odor. ² Evidences of decomposition. * Pronounced odor in spite of low nitrogen.

These samples were declared adulterated in that they consisted of a putrid or decomposed animal substance.

FROZEN EGG YOLKS.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Per cent ammoniacal nitrogen.
D 97	M. J. Power Co.	Chicago	M. J. Power Co.	Chicago	.0088
D 98	M. J. Power Co.	do	do	do	.0072
D 100	M. J. Power Co.	do	do	do	.0104
D 101	M. J. Power Co.	do	do	do	.0078
D 102	M. J. Power Co.	do	do	do	.0088
D 103	M. J. Power Co.	do	do	do	.0102
D 104	M. J. Power Co.	do	do	do	.0080
D 105	M. J. Power Co.	do	do	do	.0070
D 106	M. J. Power Co.	do	do	do	.0069
D 107	M. J. Power Co.	do	do	do	.0092
D 108	M. J. Power Co.	do	do	do	.0086
D 109	M. J. Power Co.	do	do	do	.0080
D 110	M. J. Power Co.	do	do	do	.0086
D 111	M. J. Power Co.	do	do	do	.0085
D 112	M. J. Power Co.	do	do	do	.0073
D 113	M. J. Power Co.	do	do	do	.0070
D 114	M. J. Power Co.	do	do	do	.0064
D 115	M. J. Power Co.	do	do	do	.0059
D 116	M. J. Power Co.	do	do	do	.0075
D 117	M. J. Power Co.	do	do	do	.0081
D 118	M. J. Power Co.	do	do	do	.0092
D 119	M. J. Power Co.	do	do	do	.0074
D 120	M. J. Power Co.	do	do	do	.0078
D 121	M. J. Power Co.	do	do	do	.0071
D 122	M. J. Power Co.	do	do	do	.0075
D 123	M. J. Power Co.	do	do	do	.0081
D 124	M. J. Power Co.	do	do	do	.0092
D 125	M. J. Power Co.	do	do	do	.0074
D 126	M. J. Power Co.	do	do	do	.0078
D 127	M. J. Power Co.	do	do	do	.0071
D 128	M. J. Power Co.	do	do	do	.0075
D 129	M. J. Power Co.	do	do	do	.0081
D 130	M. J. Power Co.	do	do	do	.0092
D 131	M. J. Power Co.	do	do	do	.0074
D 132	M. J. Power Co.	do	do	do	.0078
D 133	M. J. Power Co.	do	do	do	.0071
D 134	M. J. Power Co.	do	do	do	.0075
D 135	M. J. Power Co.	do	do	do	.0081
D 136	M. J. Power Co.	do	do	do	.0092
D 137	M. J. Power Co.	do	do	do	.0074
D 138	M. J. Power Co.	do	do	do	.0078
D 139	M. J. Power Co.	do	do	do	.0071
D 140	M. J. Power Co.	do	do	do	.0075
D 141	M. J. Power Co.	do	do	do	.0081
D 142	M. J. Power Co.	do	do	do	.0092
D 143	M. J. Power Co.	do	do	do	.0074
D 144	M. J. Power Co.	do	do	do	.0078
D 145	M. J. Power Co.	do	do	do	.0071
D 146	M. J. Power Co.	do	do	do	.0075
D 147	M. J. Power Co.	do	do	do	.0081
D 148	M. J. Power Co.	do	do	do	.0092
D 149	M. J. Power Co.	do	do	do	.0074
D 150	M. J. Power Co.	do	do	do	.0078
D 151	M. J. Power Co.	do	do	do	.0071

FROZEN EGG YOLKS—Concluded.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Per cent ammoniacal nitrogen
D 153	M. J. Power Co.	Chicago.	M. J. Power Co.	Chicago.	.0085
D 154	M. J. Power Co.	do.	do.	do.	.0109
D 155	M. J. Power Co.	do.	do.	do.	.0080
D 156	M. J. Power Co.	do.	do.	do.	.0083
D 158	M. J. Power Co.	do.	do.	do.	.0082
D 159	M. J. Power Co.	do.	do.	do.	.0086
D 160	M. J. Power Co.	do.	do.	do.	.0087
D 162	M. J. Power Co.	do.	do.	do.	.0057

ILLEGAL FLAVORING EXTRACTS.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Brand.	Representation.
A 132	Underwriters Salvage Co.	Chicago.	Underwriters Salvage Co.	Chicago.	.....	Vanilla extract.
A 133	Underwriters Salvage Co.	do.	do.	do.	.....	Terpeneless lemon extract.
A 323	Arnold P. Nicks	do.	Arnold P. Nicks	do.	.....	Vanilla extract.
B 78	F. M. Finney	Petersburg.	Non-Alcoholic Extract Co.	St. Louis, Mo.	.....	Pineapple compound.
C 38	W. E. Ketcham & Son.	Chenoo.	Chapman Smith Co.	Chicago.	.....	Extract of raspberry.
F 75	Industrial Alliance Gro. Corp.	Quincy.	Aldo Summers Drug Co.	Quincy.	.....	Extract lemon.
F 141	Adolphus Wroe.	Chapin.	Edw. Weston Tea & Spice Co.	St. Louis, Mo.	.....	Vanilla extract.
H 176	Heidersbach Bros.	Chicago.	C. E. Sauer & Co.	Chicago.	Cooks Pride.	Vanilla extract.
H 700	Irving Park Tea Co.	Mayfair.	Durlacher Bros Co.	do.	Sauer's.	Vanilla extract.
I 1	R. M. Dockum	Springfield.	David G. Evans.	St. Louis, Mo.	Dr. Francis	Extract chocolate.
I 32	Dan Simon	Lincoln.	Eddy & Eddy	do.	Special.	Terpeneless lemon and citral flavoring.
I 204	A. J. Apple.	Chicago.	C. F. Sauer Co.	Richmond, Va.	Sauer's.	Terpeneless flavor of lemon, 4 strength.
I 230	N. Goldenberg Ext. Co.	do.	N. Goldenberg Ext. Co.	Chicago.	.....	Concentrated vanilla extract.
L 1	R. E. Shumaker	do.	O. N. Gouldin Chem. Wks.	Abingdon.	.....	Lemon flavor.
L 27	Geo. W. Ragon.	Roseville.	Standard Mfg. Co.	Decatur.	Gouldin's.	Orange extract.
L 28	Wood and Lieurame.	Jay.	Washington, Halligan Coffee Co.	Davenport, Ia.	Superior.	Lemon extract.
R 38	W. C. Armstrong.	Rockford.	Forest City Wholesale Gro. Co.	Rockford.	Best Ever.	Vanilla extract.
R 64	E. Bassett.	Chicago.	Trewaren & Johnston.	Chicago.	.....	Artificial almond flavor.
N 155	M. J. Sheehan.	.....	.....	.....	.....	Lemon extract.

Remarks—
 A 132 Adulterated. Is an imitation extract.
 A 133 Adulterated and misbranded. Artificial color not declared.

- A 323 Adulterated and misbranded. Contains coumarin and caramel.
 B 18 Adulterated and misbranded. Entirely imitation.
 C 38 Misbranded. Is artificial.
 F 75 Misbranded. Name and address in too small type.
 F 181 Adulterated and misbranded. Contains coumarin.
 H 176 Misbranded.
 H 700 Adulterated. Is an imitation extract.
 I 1 Below standard in citral.
 I 32 Misbranded. Below stated strength.
 I 200 Misbranded. Below stated "strength concentrated" is false and misleading.
 F 230 Misbranded and adulterated. Below standard in citral.
 L 27 Misbranded. Not properly labeled.
 L 28 Misbranded. Address in too small type.
 L 38 Misbranded and adulterated.
 R 4 Below standard in benzaldehyde.
 X 153 Misbranded and adulterated.

ILLEGAL FRUITS—PRESERVED.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Brand.	Representation.	Remarks.
G 7	Manlatis Bros.	Chicago.	Manlatis Bros.	Chicago.		Raspberry crush syrup.	Old and putrid. Unit for food.
G 9	William Commitz.	do.	do.	San Francisco, Cal.		Strawberry crush.	Old and putrid. Unit for food.
J 11	C. J. Bessler.	Peoria.	The Coast Products Co.	San Francisco, Cal.	Califo	Maraschino cherries.	Misbranded. Type on label is too small.

DRIED FRUITS.

Twenty-two samples of dried fruits were examined, of which 12 were found illegal.

The source of the illegal dried fruit is largely the salvage warehouse. Food products which have been subjected to fire, water, smoke, or that have been recovered from railroad wrecks, find their way to salvage houses, from which they ultimately reach the consuming public through the restaurants or through the manufacturers of certain prepared food stuffs. In most of the 20 illegal samples, the dried fruits were either moldy, wormy, fermented or very dirty.

ILLEGAL FRUITS—DRIED

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Representation.	Remarks.
A 82	Underwriters Salvage Co.	Chicago.	Underwriters Salvage Co.	Chicago.	Peels.	A filthy substance.
A 138	Underwriters Salvage Co.	do.	do.	do.	Prunes.	1
A 139	Underwriters Salvage Co.	do.	do.	do.	Dried peaches.	1

ILLEGAL FRUITS—DRIED—Concluded.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Representation.	Remarks.
A 140	Underwriters Salvage Co.	Chicago.	Underwriters Salvage Co.	Chicago.	Raisins	1
A 149	Underwriters Salvage Co.	do.	do.	do.	Prunes	1
A 161	Underwriters Salvage Co.	do.	do.	do.	Figs	1
A 478	Max Hirsch	do.	Phoenix Packing Co.	Fresno, California.	Raisins	A filthy substance.
A 479	Max Hirsch	do.	do.	do.	do.	1
A 480	Max Hirsch	do.	do.	do.	Dried peaches.	1
A 481	Max Hirsch	do.	do.	do.	do.	1
A 482	Max Hirsch	do.	do.	do.	do.	1
A 487	John H. Leslie & Co.	do.	John H. Leslie & Co.	Chicago.	do.	1
A 488	John H. Leslie & Co.	do.	do.	do.	Dried apricots	1
A 489	Leopold & Feron Co.	do.	Leopold & Feron Co.	do.	Dried peaches.	1
A 491	Leopold & Feron Co.	do.	do.	do.	Dried apricots	1
A 507	John H. Leslie & Co.	do.	John H. Leslie & Co.	do.	do.	1
A 508	John H. Leslie & Co.	do.	do.	do.	Dried peaches.	1
A 509	John H. Leslie & Co.	do.	do.	do.	do.	1
I 234	T. N. Carrivas.	do.	do.	do.	Dates.	1
X 179	L. Dultz.	do.	T. N. Carrivas.	do.	Raisins	Wormy. Unfit for food.

1 A filthy, decomposed substance.

2 Adulterated.

3 A decomposed substance. Unfit for food.

4 Adulterated. A filthy substance.

ICE CREAM.

Considerable attention was paid to ice cream during the summer months. Out of the 204 samples analyzed, 71 were found to be below eight per cent (8%) in milk fat, the standard promulgated by the Food Standard Commission. Manufacturers have objected that a single sample of ice cream, taken from a partly used container at a dispenser's, does not represent the true composition of the ice cream as manufactured, and that one portion, even from an original container, does not give a correct sample of the mix. These points have been investigated, in a commercial way, in cooperation with a large factory in Chicago. The data are not ready for publication, but they demonstrate that the variations are not of such a magnitude as the manufacturers maintain.

A rapid Babcock method for the testing of ice cream has been worked out in this laboratory by Mr. H. D. Grigsby. A check analysis of the illegal samples is made by second method in this laboratory. The method is as follows:

"A TENTATIVE BABCOCK METHOD FOR FAT IN ICE CREAM.

(Laboratory of the Illinois State Food Commission.)

"Weigh 9 grams of the melted and thoroughly mixed sample into a 10 per cent Babcock milk bottle. Add 10 cubic centimeters of glacial acetic acid, washing down the neck of the bottle with the acid. Heat this mixture by putting the body of the bottle in hot water until the contents appear smooth, uniform, and free from lumps. Then while still hot, add ordinary Babcock sulphuric acid, about one to two cubic centimeters at a time, mixing contents after each addition, until the color of the mixture becomes dark chocolate brown.

"Whirl in a Babcock machine 5 minutes, fill with boiling water to bottom of the neck and whirl two minutes, and finally fill almost to the top of the neck and whirl one minute.

"Read the fat column and multiply the reading by two.

NOTES ON ABOVE METHOD.

"A uniform mixture, before weighing out sample, is, of course, essential to accurate and uniform results.

"Too long heating or over-heating of the mixture of acetic acid and ice cream has practically no effect on the results. Heating for five to ten minutes in water slightly below boiling temperature is usually sufficient. The hotter the mixture is, the less sulphuric acid will be required to produce the proper color.

"The fat column should be perfectly clear and free from curd or char. In case the fat column contains curd or char, duplicate the test, adding sulphuric acid to a darker color in the case of interfering curd, or to a lighter color in the case of interfering char.

"With very little practice in judging this color, perfect fat columns may be obtained in every test."

ILLEGAL ICE CREAMS.

In all cases the Ice Cream was Vanilla flavored, except Samples A222, A227, I51. These were Chocolate Ice Cream.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Per cent fat.	Remarks.
A 65	Theodore Stathakis	Chicago .....	.....	.....	6.87	Low in fat.
A 205	John Manuel & Co.	do .....	.....	.....	6.43	Low in fat.
A 222	Village Inn.	do	Drexel Ice Cream Co.	Chicago	7.6	Low in fat.
A 227	Gurney Catering Co.	do .....	.....	.....	7.7	Low in fat.

ILLEGAL ICE CREAMS—Concluded.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Per cent fat.	Remarks.
D 7	E. E. & R. A. Howell.	Aurora.	E. E. & R. A. Howell.	Aurora.	7.27	Low in fat.
F 164	H. H. Slocum.	Quincy.	H. H. Slocum.	Quincy.	7.0	Low in fat.
F 165	C. B. Slocum.	do.	C. B. Slocum.	do.	6.0	Low in fat.
F 168	Parthenon Candy Co.	do.	Parthenon Candy Co.	do.	7.1	Low in fat.
F 172	Wm. Schlankman.	do.	Wm. Schlankman.	do.	5.4	Low in fat.
F 174	U. J. Rosenkoetter.	do.	U. J. Rosenkoetter.	do.	7.2	Low in fat.
F 178	F. A. Koeppling.	Pittsfield.	F. A. Koeppling.	Pittsfield.	5.4	Low in fat.
F 188	Genearatos & B. Bacopulos.	Jacksonville.	Genearatos & B. Bacopulos.	Jacksonville.	6.6	Low in fat.
F 189	Vickery & Merrigan.	do.	Vickery & Merrigan.	do.	7.2	Low in fat.
F 190	Wm. C. Howe.	do.	Wm. C. Howe.	do.	7.6	Low in fat.
F 191	W. S. Ehule & Bros.	do.	W. S. Ehule & Bros.	do.	6.8	Low in fat.
F 194	Nick Fritsch.	Mt. Sterling.	Nick Fritsch.	Mt. Sterling.	7.2	Low in fat.
F 202	Thos. A. Rhoades.	Beardstown.	Thos. A. Rhoades.	Beardstown.	5.8	Low in fat.
I 1	C. J. Frank.	Springfield.	C. J. Frank.	Springfield.	6.0	Low in fat.
I 2	Bonansinga Bros.	do.	Bonansinga Bros.	do.	7.2	Low in fat.
I 11	C. Cambria.	do.	C. J. Frank.	do.	5.6	Low in fat.
I 35	O. M. Small.	Lincoln.	O. M. Small.	Lincoln.	3.2	Low in fat.
I 48	Geo. Connett.	Robinson.	Model Ice Cream Co.	Robinson.	5.98	Low in fat.
I 50	Heath Bros.	do.	do.	do.	5.98	Low in fat.
I 51	L. M. Cornwell.	do.	Emingham Cold Storage Co.	Emingham.	6.50	Low in fat.
I 52	T. K. Kores.	do.	T. K. Kores.	Emingham.	6.45	Low in fat.
I 54	Wm. Brooks.	Olney.	Hart Ice Cream Co.	Olney.	5.19	Low in fat.
I 60	Peter Gingerz.	Mt. Pulaski.	Peter Gingerz.	Mt. Pulaski.	4.32	Low in fat.
I 61	C. H. Wagner.	do.	C. H. Wagner.	do.	3.56	Low in fat.
I 66	C. J. Frank.	Springfield.	C. J. Frank.	Springfield.	4.28	Low in fat.
I 67	C. J. Frank.	do.	do.	do.	4.22	Low in fat.
I 68	Ciacio Bros.	do.	do.	do.	4.87	Low in fat.
I 69	Joe Ganci.	do.	do.	do.	4.85	Low in fat.
I 70	C. Cambria.	do.	do.	do.	4.81	Low in fat.
I 71	F. W. Woolworth & Co.	do.	do.	do.	7.8	Low in fat.
I 72	S. F. Bonansinga.	do.	S. F. Bonansinga.	Springfield.	7.6	Low in fat.
I 76	Marshall & Lawrence Ice Cream Co.	do.	Marshall & Lawrence.	do.	7.8	Low in fat.
I 100	A. J. Barnett.	Taylorville.	Apostle Bros.	Taylorville.	5.9	Low in fat.
I 102	Union News Co.	Stewardson.	Charleston Ice Cream Co.	Charleston.	2.8	Low in fat.
I 108	L. N. Irwin & Co.	Decatur.	Decatur Dairy Co.	Decatur.	6.6	Low in fat.
I 109	John Schiminsky.	do.	L. N. Irwin & Co.	do.	7.2	Below standard in fat.
I 111	J. R. Thompson.	do.	John Schiminsky.	do.	6.8	Below standard in fat.
I 113	Brodes & Co.	do.	Polar Ice & Storage Co.	do.	6.4	Below standard in fat.
I 12	W. O. Leedy.	do.	Brodes & Co.	do.	7.2	Below standard in fat.
I 13	John F. Turley.	do.	W. O. Leedy.	do.	6.2	Below standard in fat.
I 15	John F. Turley.	Mattoon.	John F. Turley.	Mattoon.	7.4	Below standard in fat.
I 116	R. C. Brown.	do.	R. L. Brown.	do.	4.8	Below standard in fat.

ILLEGAL CATSUP.

I 117	J. O. Davis	do.	J. O. Davis	do.	5.0	Below standard in fat.
I 131	O. M. Small	Lincoln.	O. M. Small	do.	6.6	Below standard in fat.
I 141	G. R. McClung	Pana	Pana Ice Cream Co.	Pana	7.6	Below standard in fat.
I 143	City Ice Cream Co.	do.	City Ice Cream Co.	do.	7.4	Below standard in fat.
I 4	Gust. Esselson & Co.	Peoria	Gust. Esselson & Co.	Peoria	7.2	Below standard in fat.
J 5	C. J. Milleson	do.	C. J. Milleson	do.	7.4	Below standard in fat.
J 30	J. L. Jordan	do.	do.	do.	7.4	Below standard in fat.
J 82	W. J. Kissner	do.	Thilling Ice Cream Co.	do.	4.8	Below standard in fat.
J 84	Louis Holliday	do.	do.	do.	4.8	Below standard in fat.
J 85	F. J. Meyer	do.	do.	do.	4.7	Below standard in fat.
J 90	O. H. Hilltop	Bartonville.	do.	do.	5.0	Below standard in fat.
J 92	Thos. Hoxtable	Peoria	do.	do.	5.1	Below standard in fat.
J 96	G. B. Boyd	do.	do.	do.	5.2	Below standard in fat.
J 96	Thos. P. Hines	do.	do.	do.	4.0	Below standard in fat.
J 102	Mrs. J. E. Wenkelmeyer	do.	do.	do.	4.0	Below standard in fat.
J 103	LaGrange Ice & Ice Cream Co.	LaGrange	LaGrange Ice & Ice Cream Co.	LaGrange	7.6	Below standard in fat.
J 107	M. Fragos	do.	Olympia Ice Cream Co.	Berwyn	5.4	Below standard in fat.
J 107	Otto A. Schroeder	do.	LaGrange Ice & Ice Cream Co.	LaGrange	7.4	Below standard in fat.
L 51	Princeton Ice Cream & Bottling Co.	Princeton	Princeton Ice Cream & Bottling Co.	Princeton	6.82	Below standard in fat.
L 51	Princeton Ice Cream & Bottling Co.	do.	do.	do.	6.88	Below standard in fat.
X 113	Unofficial Sample	Decatur	do.	do.	7.6	Below standard in fat.
X 121	Unofficial Sample	Kewanee	do.	do.	7.6	Below standard in fat.
X 168	Unofficial Sample	Rock Island	do.	do.	7.6	Below standard in fat.
X 170	Unofficial Sample	do.	do.	do.	7.6	Below standard in fat.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Brand.
A 9	G. Matalone	Chicago	Vesuvian Preserving Co.	Vineland, N. J.	Eagle
A 10	G. Matalone	do.	U. S. Co.	do.	do.
A 160	Underwriters Salvage Co.	do.	Barthe-Martin Co.	Chicago	Chicago
A 165	Underwriters Salvage Co.	do.	A. H. Livingston & Co.	Duluth, Minn.	Chicago
A 208	Louis Podolsky	do.	N. Kohl Grocery Co.	Quincy	Gem City
F 42	A. O. Metzger	Quincy	Kroeger-Amos-James Grocery Co.	St. Louis, Mo.	Just Right
F 77	Industrial Alliance Grocery	do.	Nicholas Schaff & Sons Co.	do.	Bon Ton
F 108	Association Meat Market	Benlo	Biklen Winzer Grocery Co.	Burlington, Ia.	Bunker Hill
L 39	R. C. Cheney	New Boston	Smith Bros. & Burdick Co.	Davenport, Ia.	Our Club
L 43	E. E. Hook	Princeton	do.	do.	Library
X 59	Unofficial sample	Champaign	do.	do.	do.

ILLEGAL CATSUP—Concluded.

No.	Representation.	Color.	Preservative.	Per cent preservative found.	Bacteriological examination.	Remarks.
A 9	Tomato paste	.....	.....	.....	A decomposed substance	.....
A 10	Tomato paste	.....	.....	.....	do	.....
A 120	Catsup	.....	.....	.....	do	.....
A 155	Catsup	.....	.....	.....	do	.....
A 165	Catsup	.....	.....	.....	do	.....
A 206	Catsup	Coal tar	Benzoate of soda	.009	do	.....
F 42	Catsup	.....	.....	.....	do	.....
F 77	Catsup	.....	.....	.....	do	.....
F 108	Catsup	.....	.....	.....	do	.....
L 39	Catsup	.....	Benzoate of soda	.0064	do	Misbranded. No name of packer. Preservative not declared.
L 43	Catsup	.....	.....	.....	do	Misbranded. Name and address in too small type.
X 59	Catsup	.....	.....	.....	A decomposed substance	.....

MEAT AND MEAT-PRODUCTS, AND FISH.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Brand.	Representation.	Remarks.
A 1	John Hetzel	Chicago	John Hetzel	Chicago	.....	Cured pork loins	Adulterated with borax.
A 237	D. Lieberman	.....	D. Lieberman	do	.....	Sardines in peanut oil	.....
A 237	H. A. Maypole	Fox Lake	Stanley Sydoski	Fox Lake	.....	Glands and meat from hog	Putrid and decomposed.
A 426	John Mangrieg	Clyde	Arnold Bros	Chicago	.....	Pressed corn beef	Putrid and unfit for food.
A 428	John B. Mangrieg	.....	do	do	.....	do	Misbranded and adulterated
C 14	Adolph Frey	Edwardsville	Adolph Frey	Edwardsville	.....	Hamburger steak	with sulphur dioxide. Probably reprocessed. General condition bad.
D 2	Inter-State Produce Co.	Cairo	A. B. Field	San Francisco, Cal.	Archer	Salmon	Misbranded and adulterated with sulphur dioxide.
G 8	Antony Suchan	Chicago	Angelo Girodrif	Geneva, Italy	Tonno all' Olio	Tunny in olive oil	.....
H 128	Rochlien & Dishmermer	do	Rochlien & Dishmermer	Chicago	.....	Chopped meat	.....
H 130	F. G. Klein	do	Jessilon & Stiefel	Chicago	.....	Smoked fish	.....
H 132	D. Sitron	do	do	do	.....	do	.....
H 133	G. J. Doada	do	do	do	.....	do	.....
H 136	Stone Bros	do	do	do	.....	do	.....
H 137	A. W. Warrington	do	do	do	.....	do	.....
H 138	Booth Fisheries Co.	do	Booth Fisheries Co.	Chicago	.....	do	.....
H 139	Booth Fisheries Co.	do	Lopez-Desports Pack. Co.	Biloxi, Miss	Elk	Shrimp	Short weight.
H 140	Max Heidenreich	do	do	do	.....	Smoked salmon	Misbranded.
H 141	Ed. Gohllichting	Forest Park	C. A. Bukman	Chicago	.....	Smoked fish	.....

H 73	H. Lucker.....	do.....	T. Meen Pack. Co.....	So. Omaha, Neb.....	Marshall.....	Cured beef extract.....	Unfit for food.
I 13	J. A. Kruse.....	Decatur.....	John A. Tolman.....	Machiasport, Me.....	Gem.....	Cod fish.....	Misbranded.
I 42	Jagman-Bode Co.....	Springfield.....	Machiasport Pack. Co.....	do.....	Olive.....	Sardines.....	do.....
I 43	Jagman-Bode Co.....	do.....	do.....	do.....	do.....	do.....	do.....
I 44	N. A. Cobb & Co.....	Chicago.....	do.....	do.....	do.....	do.....	do.....
I 45	N. A. Cobb & Co.....	do.....	do.....	do.....	do.....	do.....	do.....
J 22	E. M. Drake.....	Canton.....	Jobst Bethard Co.....	Peoria.....	Ensign.....	Fish cake.....	do.....
J 23	C. A. Murphy.....	Mason City.....	Reid Murdoch & Co.....	Chicago.....	Glen Oak.....	Cod fish.....	Misbranded.
J 37	J. H. Thompson.....	do.....	do.....	do.....	Dragon.....	Salmon.....	do.....
J 175	W. N. Betzer.....	Onarga.....	Porter Berger & Co.....	do.....	White Lily.....	Cod fish.....	do.....
J 201	Petersen & Johnson.....	Ashkum.....	Jobst Bethard Co.....	Peoria.....	Jo-Beth-Co.....	do.....	do.....
J 212	Purkey & Ashton.....	Kankakee.....	Porter Berger & Co.....	Chicago.....	do.....	Herring.....	do.....
L 14	W. A. Jordan Co.....	Galesburg.....	California Fish Co.....	Los Angeles, Cal.....	do.....	Sardines.....	do.....
X 98	A. L. Newton.....	Aledo.....	Jobst Bethard Co.....	Peoria.....	Ideal.....	Sliced beef.....	Misbranded.
X 99	.....	.....	.....	Olive.....	Olive.....	Sardines.....	can unfit for food.
X 99	.....	.....	.....	.....	.....	Meat.....	Unfit for food.

1 Misbranded. Artificially colored. * Misbranded. Unfit for food.
 * Misbranded. No name or address. * Misbranded. Not properly labeled.

NUTS.

Considerable attention was paid to the sale of nuts during the holiday season. The temptation of mixing old nuts with the new stock was increased owing to the European war. English walnuts are very susceptible to spoilage. Seizures were made whenever an examination showed a percentage of bad nuts much in excess of the usual run for such a product. Nuts of this character are suitable for the preparation of shelled products, but would constitute a fraud if sold in the shell.

ILLEGAL NUTS.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Representation.	Per cent good nuts.	Per cent bad nuts.
A 516	Nellis Goldsmith.....	Chicago.....	Steele Wedeles & Co.....	Chicago.....	Walnuts.....	52	48
A 517	J. J. Meade.....	do.....	do.....	do.....	do.....	52	48
I 226	Midwest Candy Co.....	do.....	Habicht Braun Co.....	Chicago.....	Shelled peanuts.....	54.6	45.4
I 232	Gerber and Son.....	do.....	do.....	do.....	Walnuts.....	34.2	65.8
I 233	Gerber and Son.....	do.....	do.....	do.....	do.....	51	49

ILLEGAL NUTS—Concluded.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Representation.	Per cent good nuts.	Per cent bad nuts.
I 236	United Fig & Date Co.	Chicago.	California Walnut Growers Assn.	Pasadena, Cal.	Walnuts.	60.8	39.2
I 237	United Fig & Date Co.	do.	do.	do.	do.	17	83
I 238	United Fig & Date Co.	do.	do.	do.	do.	61.4	38.6
I 239	United Fig & Date Co.	do.	do.	do.	do.	38.7	61.3
I 240	J. J. Mende	do.	J. J. Mende	Chicago.	do.	51.2	48.8
M 134	Massias Bros.	do.	Ginoecchio Costa & Co.	do.	do.	50	50
M 135	Massias Bros.	do.	do.	do.	do.	59.4	40.6
M 136	Massias Bros.	do.	do.	do.	do.	50.8	49.2
M 137	J. J. Mende	do.	do.	do.	do.	43.7	56.3
R 72	Forest City Wholesale Gro. Co.	Rockford.	J. B. Inderriden & Co.	Chicago.	Brazil nuts.	57.4	42.6

EDIBLE OILS.

The substitution, wholly or in part, of cottonseed oil or other oils for olive oil is of frequent occurrence. The European war situation has interfered with the olive oil importation, increasing the temptation to sell other oils as "Imported Olive Oil," or "Finest Quality Olive Oil," etc.

ILLEGAL EDIBLE OILS AND FATS.

LARD.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Brand.
C 34	A. L. Lewellen	Marion.	Jourdan Sausage Wks.	Chicago.	Roswite.
C 35	Max Cypen	Clinton.	do.	do.	do.
R 62	Chicago Market	Rockford.	Chicago Market	Rockford.	do.
X 98	Fred Gieseking	Kankakee.	Jourdan Sausage Wks.	Chicago.	do.

LARD—concluded.

No.	Representation.	Refractive index at 40°C.	Iodine No.	Halphen test shows.	Remarks.
C 34	Lard.....	1.4610	99.0	Cottonseed oil.....	Adulterated with cottonseed oil.
C 36	Lard.....	1.4615	74.4	do.....	Adulterated with cottonseed oil.
R 62	Lard.....	1.4598	65.8	do.....	Adulterated with cottonseed oil. Misbranded.
X 96	Lard.....	1.4621	99.9	do.....	Adulterated with cottonseed oil.

OTHER EDIBLE OILS.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Brand.
A 11	G. Matulone.....	Chicago.....	Marea Termini.....	Italy.....	.....
A 12	G. Matulone.....	do.....	do.....	do.....	.....
A 231	N. Balesh.....	do.....	A. L. Lewis.....	Chicago.....	Eagle Brand.....
A 299	A. A. Dancs.....	do.....	J. Loprest.....	do.....	.....
A 456	Tscuris Bros. & Co.....	do.....	Tscuris Bros. & Co.....	do.....	Finest Quality.....
A 457	Lopresti Bros.....	do.....	Philip Belro & Co.....	do.....	.....
A 458	Lopresti Bros.....	do.....	Lopresti Bros.....	Tuscany, Italy.....	Luca.....
A 459	Lopresti Bros.....	do.....	Termini Emerese.....	Sicily, Italy.....	Finest Quality.....
B 79	E. E. Morris.....	Petersburg.....	Jobst Behard Co.....	Luca and Paris.....	.....
F 98	Jacob Simburger.....	Staunton.....	St. Louis Condensed Mills Co.....	Peoria.....	Ideal.....
F 99	Jacob Simburger.....	do.....	National Pickle & Can. Co.....	St. Louis, Mo.....	Manor House.....
F 110	Franzen & Heien.....	do.....	do.....	do.....	Premium.....
G 11	J. Papachristos.....	Chicago.....	do.....	do.....	.....
H 32	Bakaris & Auchaeles.....	do.....	American Coffee Co.....	St. Louis, Mo.....	.....
J 427	Bruno Hefer.....	Staunton.....	Franklin McVeagh & Co.....	Chicago.....	Pompeian.....
L 301	Geo. W. Martin.....	Champaign.....	do.....	do.....	.....

OTHER EDIBLE OILS—continued.

No.	Representation.	Refractive index at 25°C.	Iodine No.	Halphen test shows.	Remarks.
A 11	Olive oil.....	1.4672	83.2	Blank.....	Misbranded. *
A 12	Compound oil.....	1.4794	117.6	Cottonseed oil.....	Misbranded. *
A 231	Cottonseed salad oil.....	.....	.....	.....	Misbranded. **

OTHER EDIBLE OILS—concluded.

No.	Representation.	Refractive index at 25°C.	Iodine No.	Halphen test shows.	Remarks.
A 289	Olive oil	1.4685	100.7	Cottonseed oil.....	Misbranded. Adulterated with cottonseed oil.
A 456	Cottonseed and olive oil.....	1.4697	98.0	..do.....	Not labeled. Adulterated with cottonseed oil.
A 457	Olive oil	1.4686	98.7	..do.....	Misbranded. Not labeled. Entirely cottonseed oil.
A 458	Cottonseed and olive oil.....	1.4708	108.0	..do.....	Misbranded. * Adulterated with cottonseed oil.
A 459	Olive oil	1.4708	108.7	..do.....	Misbranded. * Adulterated with cottonseed oil.
B 79	Cream salad oil.....	1.4690	97.7	..do.....	Misbranded. ***
F 98	Cooking oil.....	1.4708	105.8	..do.....	Misbranded. ***
F 99	Salad oil.....	.....	.....	..do.....	Misbranded. ***
F 110	Salad oil.....	.....	.....	..do.....	Misbranded. ***
G 111	Olive oil	1.4663	80.5	Blank.....	Not labeled. Adulterated with cottonseed oil.
H 32	Olive oil	1.4676	84.5	Cottonseed oil.....	Misbranded. **
J 457	Salad oil.....	1.4706	108.4	..do.....	Misbranded. **
L 301	Olive oil	1.4674	83.2	Blank.....	Name and address in too small type

* Name of packer or dealer not on label.

** Undue prominence given to word "Salad Oil."

*** Distinctive name of article not stated on label.

PICKLES AND RELISHES.

The most glaring violation of the law as regards pickles and relishes was found in the products of the Amazon Vinegar and Pickling Works, of Davenport, Iowa. Salicylic acid, or a derivative thereof, was present in various lots of sweet preparations, such as gherkins, relish and mixed pickles. Seizures were made of this material in Rock Island and Moline.

ILLEGAL PICKLES AND RELISHES.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Brand.	Representation.	Remarks.
A 235	H. Piell.....	Chicago.....	.....	.....	.....	Black olives.....	Misbranded. Name and address of dealer or packer not given.
C 18	Turner & Benton.....	Heyworth.....	Corn Belt Mercantile Co.....	Clinton.....	Corn Belt.....	Pickles.....	Misbranded. Alum not properly declared.
F 231	Henry Dart's Sons.....	Rock Island.....	Amazon Vin. and Pick. Wks.....	Davenport, Ia.....	Amazon.....	Sweet gherkins.....	1
F 234	Henry Dart's Sons.....	..do.....	..do.....	..do.....	..do.....	..do.....	1
F 239	H. Tremann's Sons.....	..do.....	..do.....	..do.....	..do.....	Sweet relish.....	1
F 241	William Karstens.....	Moline.....	..do.....	..do.....	..do.....	Sweet mixed pickles.....	1
F 242	William Karstens.....	..do.....	..do.....	..do.....	..do.....	Sweet gherkins.....	1

F 246	Feltham & Wade.....	Rock Island.....	.do.....	.do.....	1
F 253	Zitter Bros.....	.do.....	.do.....	.do.....	1
F 261	S. B. Hawley Est.....	.do.....	.do.....	.do.....	1
H 148	L. Rozkowski.....	Chicago.....	Chicago.....	Sweet mixed pickles.	Adulterated.
H 149	M. Moritz.....	.do.....	.do.....	Sweet pickles.	Adulterated.

¹ Adulterated with salicylic acid or a derivative thereof.

ILLEGAL SPICES AND MUSTARD.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Brand.	Representation.	Remarks.
A 137	Underwriters Salvage Co.	Chicago....	Underwriters Salvage Co.	Chicago....	Pepper	.....	A filthy and decomposed substance.
A 138	Underwriters Salvage Co.	do.	Barthe Martin Co.	Duluth, Minn.	Mace	.....	Adulterated with wild mace.
A 153	H. Piell.	do.	.....	.....	Dry mustard	.....	Misbranded.
A 293	Schillo Bros. Co.	do.	Schillo Bros. Co.	Chicago.	Mustard dressing	.....	Adulterated with turmeric.
A 469	John W. Clark.	do.	Old Hickory Food Co.	Pittsburgh, Pa.	Prepared mustard	.....	Misbranded.
A 477	W. A. Jordan Co.	Galesburg.	Wixon Spice Co.	Chicago.	Cayenne pepper.	.....	High in sand and total ash.
L 6	W. A. Jordan Co.	do.	.....	.....	Pepper	.....	High in sand and total ash.
X 124 A	Wixon Spice Co.	do.	.....	.....	Pepper	.....	High in sand and total ash.
X 124 B	Wixon Spice Co.	do.	.....	.....	do.	.....	High in sand and total ash.

ILLEGAL SUGAR.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Representation.	Remarks.
A 141	Underwriters Salvage Co.	Chicago....	Underwriters Salvage Co.	Chicago....	Sugar.....	A filthy substance.
A 142	Underwriters Salvage Co.	..do.....	..do.....	..do.....	..do.....	A filthy substance.
A 143	Underwriters Salvage Co.	..do.....	..do.....	..do.....	..do.....	A filthy substance.
A 144	Underwriters Salvage Co.	..do.....	..do.....	..do.....	..do.....	A filthy substance.
A 484	Max Hirsch	..do.....	..do.....	..do.....	..do.....	A filthy substance.
H 2	Hamilton Salvage Co.	..do.....	..do.....	..do.....	..do.....	Not fit for food.
H 5	Hamilton Salvage Co.	..do.....	..do.....	..do.....	..do.....	Not fit for food.
H 6	Hamilton Salvage Co.	..do.....	..do.....	..do.....	..do.....	Not fit for food.
H 149	W. P. Shade	Decatur....	..do.....	..do.....	..do.....	Adulterated with mercuric chloride, a deadly poison.

ILLEGAL VINEGARS.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Brand.	Representation.
A 39	National Pickle & Canning Co.	Blue Island.....	American Fruit Product Co.	Rochester, N. Y.	Matt's Best.....	Apple vinegar.
A 43	National Pickle & Canning Co.	do.	do.	do.	do.	Apple vinegar.
A 47	National Pickle & Canning Co.	do.	do.	do.	do.	Apple vinegar.
B 35	H. Ermoirick.	Pana.	Burlington Vinegar & Pickle Works.	Burlington, Ia.	Hawkeye.	Cider vinegar.
F 87	John T. Davis.	Quincy.....	S. Hamill Co.	Keokuk, Ia.	Palm.	Cider vinegar.
F 115	Horace Pyle.	Bunker Hill.	Avis Cider & Vinegar Co.	St. Louis, Mo.	Compound fermented and dis- tilled vinegar.	
F 224	James M. Johnson.	Orion.	Peoria Wholesale Grocery Co.	Peoria.....	do.	Cider vinegar.
F 246	Zaranini & Pozzi.	Cherry.	Italian & Greek Products Co.	Chicago.	do.	Wine vinegar.
J 9	F. Brown & Co.	Peoria.	Conrad Fandel.	Metamora.	Farmer's.	Cider vinegar.
J 27	Collver-Flaherty Co.	Peru.	Central City Pickle Co.	Peoria.	do.	Cider vinegar.
J 28	Collver-Flaherty Co.	do.	do.	do.	do.	Cider vinegar.
J 29	Collver-Flaherty Co.	do.	do.	do.	do.	Cider vinegar.
J 30	Collver-Flaherty Co.	do.	do.	do.	do.	Cider vinegar.
J 31	Collver-Flaherty Co.	do.	do.	do.	do.	Cider vinegar.
J 32	Galesburg Grocery Co.	Galesburg.	J. D. Evans.	St. Louis, Mo.	Silver Crown.	Cider vinegar.
L 23	Wm. Kremser.	Rockford.	Rockford Wholesale Grocery Co.	Rockford.	do.	White vinegar.
X 201	Unofficial sample.	Odin.	do.	do.	do.	Cider vinegar.

ILLEGAL VINEGARS—Concluded.

No.	Total acid.	Polariza- tion °v.	Total solids.	Total ash.	Alkalini- ty of soluble ash due to Na_2O .	Soluble P_2O_5 .	Insolu- ble P_2O_5 .	Non- sugar solids.	Percent ash in non- sugar solids.	Specific gravity.	Total sugars.	Remarks.
A 89	3.88	—55	2.14	.270	30.6	9.7	8.7	1.73	15.1	1.011	.410	Adulterated. Below standard in acid.
A 43	3.88	—66	2.15	.273	28.8	8.2	10.0	1.75	15.5	1.011	.407	Adulterated. Below standard in acid.
B 35	3.96	—66	2.02	.303	32.6	8.6	10.1	1.81	17.0	1.013	.383	Slightly below standard in acid.
B 65	4.71	+5.0	1.97	.304	3.6	None.	5.5	1.83	18.1	1.012	.46	Adulterated. Is not a cider vinegar.
F 87	3.65	—1.0	1.76	.303	20.2	1.6	12.3	1.33	19.4	1.010	.38	Below standard in acid.
F 115	4.10	.....	.46	.068	4.0	.5	2.3	.36	27.2	1.065	.10	Adulterated. Is a distilled vinegar colored in imitation of cider vinegar.
F 224	4.12	+2	.71	.150	12.4	7.35	7.5	.59	24.4	1.009	.12	Adulterated with distilled vinegar.
F 236	3.95	.....	1.01	.057	.....	.....	.....	.....	.....	1.066	.....	Is a mixture of distilled vinegar and wine col- ored with coal-tar dye.
J 27	3.50	—44	1.02	.244	27.6	6.9	9.3	.99	24.5	1.004	.08	Adulterated with water.
J 27	3.51	—1.5	1.60	.34	20.8	3.5	10.4	1.24	27.4	1.010	.36	Adulterated with water and ash material.
J 28	3.51	—1.1	1.60	.34	22.8	4.9	8.6	1.23	27.6	1.010	.37	Adulterated with water and ash material.

ILLEGAL CANNED VEGETABLES.

J 29	4.07	-1.7	1.66	.31	22.4	3.1	11.2	1.24	25.0	1.010	.42	Adulterated with water and ash material.
J 30	3.53	-1.7	1.58	.23	22.4	4.2	10.9	1.31	27.3	1.010	.37	Adulterated with water and ash material.
J 31	4.06	-1.3	1.70	.31	20.8	3.2	13.4	1.24	25.0	1.010	.46	Adulterated with water and ash material.
J 32	4.10	-1.7	1.64	.31	21.2	3.4	11.0	1.23	25.2	1.010	.41	Adulterated with water and ash material.
L 23	3.62	-1.1	1.51	.23	23.6	11.2	6.7	.90	25.1	1.011	.61	Below standard in acidity.
R 60	4.56											Misbranded. Is not labeled "distilled vinegar."
X 201	3.86											Below standard in acidity.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Brand.	Representation.	Remarks.
A 213	John A. Tolman & Co.....	Chicago.....	John A. Tolman	Chicago.....	Topmost	Canned Tomatoes	A decomposed substance.
A 238	Rothschild & Co.....	do.....	Imported	France.....	Barton	French Peas.....	Misbranded. No name or address of packer or dealer.
B 76	Loretta Pure Food Store...	Peoria .....	.....	.....	.....	Asparagus	Misbranded. No manufacturer's name on label. Adulterated. Unfit for food.
L 42	A. S. Anderson	Princeton.....	F. E. Royston & Co.....	Aurora	Robert	Mushrooms.....	Misbranded. No name or address of packer or dealer.

ILLEGAL MISCELLANEOUS SAMPLES.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Representation.	Remarks.
I 214	Lawton Bros.....	Rockford.....	Allen G. Freedlund.....	Rockford.....	Honey.....	Misbranded.
A 56	H. Christofferson	Chicago.....	H. Christofferson.....	Chicago.....	Box Lunch.....	Misbranded.
A 157	Underwriters Salvage Co.....	do.....	.....	do.....	Unknown.....	Misbranded. Not labeled.
I 229	Russian Candy Co.....	do.....	Russian Candy Co.....	Chicago.....	Cooked Apples.....	Adulterated. A large part is unsound fruit.

STOCK FOODS.

Pursuant to the provisions of the Stock Food Law, I am issuing a complete report of the stock foods that have been analyzed during the year. This includes the legal brands, as well as those regarded as illegal, for non-conformity

to one or more of the various requirements of the law. Stock food manufacturers have repeatedly called attention to the fact that heretofore no report had been issued by this commission making public the findings on the legal licensed brands.

ILLEGAL STOCK FOODS.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Brand.
K 64	John Marvin.	Marshall	John Marvin.	Marshall	Bran & Screenings.
K 81	John Gaddis' Sons	Fairfield	John Gaddis' Sons.	Fairfield	Phoenix Wheat Bran.
K 80	Stiemler Milling Co.	Teutopolis	Stiemler Milling Co.	Teutopolis	Bran & Screenings.
K 99	Rogers & Cooper.	Martinsville.	Rogers & Cooper.	Martinsville.	Wheat Bran.
K 43	Kinmundy Milling Co.	Kinmundy	Kinmundy Milling Co.	Kinmundy	do
K 153	Kaiser Bros.	Centralia	Kaiser Bros.	Centralia	do
K 60	Karlisle Milling Co.	Carlyle.	Karlisle Milling Co.	Carlyle.	do
K 62	Blake Milling Co.	Edwardsville.	Blake Milling Co.	Edwardsville.	do
K 187	Advance Mill & Elev. Co.	Carrollton.	Advance Mill & Elev. Co.	Carrollton.	do
K 168	Heck Bros.	Greenfield.	Heck Bros.	Greenfield.	do
K 170	Keiser Flour Mills.	Mt. Olive.	Keiser Flour Mills.	Mt. Olive.	do
K 74	Litchfield Mill & Elev. Co.	Litchfield.	Litchfield Mill & Elev. Co.	Litchfield.	do
K 90	Campbell Milling Co.	McLeansboro.	Campbell Milling Co.	McLeansboro.	do
K 92	Dahlgren Milling Co.	Dahlgren.	Dahlgren Milling Co.	Dahlgren.	do
K 104	Model Mills.	McLeansboro.	Horne Milling Co.	Mt. Vernon, Ind.	do
K 109	Holsen & Dorney.	Aliendale.	Holsen & Dorney.	Aliendale.	do
N 29	Carberry Bros.	Chicago.	Jennison Milling Co.	Minneapolis, Minn.	do
N 86	E. E. Kendall Co.	South Chicago.	Crescent Milling Co.	Fairfax, Minn.	do
M 80	Rossell Mill & Lumber Co.	Roselle.	Kemper Mill & Elev. Co.	Kansas City, Mo.	"Anchor"
P 94	Tiedemann Milling Co.	O'Fallon.	Tiedemann Milling Co.	O'Fallon.	"Buttercup Bran"
P 104	Southern Ill. Mill & Elev. Co.	Murphysboro.	Southern Ill. Mill & Elev. Co.	Murphysboro.	Wheat Bran.
P 108	Reliance Milling Co.	do.	Reliance Milling Co.	do.	do
P 113	Wright Roller Mills.	Dongola.	Wright Roller Mills.	Dongola.	do
P 121	Du Bois Milling Co.	DuBois.	DuBois Milling Co.	DuBois.	do
P 124	Camp Springs Mills Co.	Nashville.	Camp Springs Mills Co.	Nashville.	"Diploma Bran"
R 11	Lake & Harris.	Harvard.	Springfield Milling Co.	Springfield, Minn.	"Standard Bran"
R 16	Buell & Ormstead.	Woodstock.	Crystal Milling Co.	Lake Crystal, Minn.	Wheat Bran.
R 27	Geo. L. Eddy.	Sycamore.	Commander Milling Co.	Minneapolis, Minn.	Commander
R 30	J. F. Cappius.	Rockford.	Aurora City Mills.	Aurora.	Wheat Bran.
P 128	H. C. Cole Milling Co.	Chester.	H. C. Cole Milling Co.	Chester.	Screenings Bran.
K 85	John Marvin.	Marshall.	John Marvin.	Marshall.	Wheat Middlings
K 80	John Gaddis' Sons.	Fairfield.	John Gaddis' Sons.	Fairfield.	Phoenix Wheat Shorts
K 110	Rogers & Cooper.	Martinsville.	Rogers & Cooper.	Martinsville.	Wheat Middlings
K 137	Johnson & Barth.	Cisne.	Gem Mill Co.	Sumner.	Shorts & Screenings.
K 175	Litchfield Mill & Elev. Co.	Litchfield.	Litchfield Mill & Elev. Co.	Litchfield.	Wheat Middlings
M 101	Aurora City Mills Co.	Aurora.	Aurora City Mills Co.	Aurora.	do
P 83	Pfeffer Milling Co.	Lebanon.	Pfeffer Milling Co.	Lebanon.	"Full Value"
P 95	Tiedemann Milling Co.	O'Fallon.	Tiedemann Milling Co.	O'Fallon.	"Crescent"
Q 9	C. Kruessing.	Chicago.	Crescent Milling Co.	Fairfax, Minn.	"Wheat"
Q 12	Lake & Harris.	Harvard.	Springfield Milling Co.	Springfield, Minn.	Wheat Middlings.

R 25	W. M. Webster.	Poplar Grove.	Plymouth Milling Co.	Le Maie, Iowa.	Wheat Middlings.
R 26	Hicks & Dorn.	Belvidere.	Crescent Milling Co.	Parfax, Minn.	Standard Middlings.
R 28	Geo. L. Eddy.	Sycamore.	Commander Milling Co.	Minneapolis, Minn.	"Commander"
R 29	J. L. Murphy.	do.	Waterloo & Cedar Falls Union Mill Co.	Waterloo.	Wheat Middlings.
P 105	Reliance Milling Co.	Murphysboro.	Reliance Milling Co.	Murphysboro	"Reliance" Mixed Feed.
P 131	Steeleville Milling Co.	Steeleville.	Steeleville Milling Co.	Steeleville.	Steeleville Mixed Feed.
P 140	Jefferson Milling Co.	Mt. Vernon.	Jefferson Milling Co.	Mt. Vernon.	Wheat Bran.
P 136	Norris City Mills.	Norris City.	Norris City Mills.	Norris City.	do.
P 130	Kaiser Bros.	Centralia.	Kaiser Bros.	Centralia.	do.
K 54	Bluff City Mill & Elev. Co.	Mt. Carmel.	Bluff City Mill & Elev. Co.	Mt. Carmel.	do.
K 78	Geo. P. Brown & Son.	Grayville.	Geo. P. Brown & Son.	Grayville.	Oxford Bran.
P 108	Carbondale Mill & Elev. Co.	Carbondale.	Carbondale Mill & Elev. Co.	Carbondale.	Wheat Bran & Screenings.
P 114	Central Roller Mills.	Cobden.	Central Roller Mills.	Cobden.	Wheat Bran.
P 115	Netbauer & Co.	Dongola.	Netbauer & Co.	Dongola.	do.
P 117	Benton Peerless Mills.	Benton.	Benton Peerless Mills.	Benton.	do.
P 118	Christopher Milling Co.	Christopher.	Christopher Milling Co.	Christopher.	do.
P 120	Du Quoin Mill Co.	DuQuoin.	DuQuoin Mill Co.	DuQuoin.	Wheat Bran.
Q 74	Pike Milling Co.	Grigsbyville.	Pike Milling Co.	Grigsbyville.	Ideal Bran.
K 189	Campbell Milling Co.	McLeansboro.	Campbell Milling Co.	McLeansboro.	Mixed Feed.
K 108	Eureka Flour Mills.	Enfield.	Eureka Flour Mills.	Enfield.	do.
P 109	Carbondale Mill & Elev. Co.	Carbondale.	Carbondale Mill & Elev. Co.	Carbondale.	do.
P 112	Colp, Arnold & Co.	Cartersville.	Colp, Arnold & Co.	Cartersville.	do.
P 119	Harrisburg Mill & Elev. Co.	Harrisburg.	Harrisburg Mill & Elev. Co.	Harrisburg.	do.
P 122	Mulkeytown Mill Co.	Mulkeytown.	Mulkeytown Mill Co.	Mulkeytown.	do.
P 123	Galatia Roller Mills.	Galatia.	Galatia Roller Mills.	Galatia.	do.
P 124	New Burnside Mills.	New Burnside.	New Burnside Mills.	New Burnside.	do.
P 125	Simpson Roller Mills.	Simpson.	Simpson Roller Mills.	Simpson.	do.
M 139	H. G. Verene & Son.	Galesburg.	Kummer Milling Co.	Galesburg.	do.
P 127	Stone Fort Mill & Elev. Co.	Stone Fort.	Stone Fort Mill & Elev. Co.	Stone Fort.	do.
K 154	J. F. McElhene.	Vandalia.	J. F. McElhene.	Vandalia.	do.
M 87	H. V. Vanderbilt & Co.	Chicago.	Union Brokerage & Comm. Co.	Vicksburg, Miss.	Durjan
N 20	A. D. Campbell Hay Co.	Peoria.	Peoria Commission Co.	Peoria.	Cotton Seed Meal.
M 32	Joe Shafer.	Springfield.	Miss. Delta Planting Co.	Scott, Miss.	Acme.
M 33	Joe Shafer.	do.	H. G. Cherry.	Kansas City, Mo.	Ko-Pres-Ko-Kake.
P 30	Jos. Keim.	Chicago.	First, Begley Linseed Co.	Chicago.	Linseed Cake Meal.
P 38	C. Beck.	do.	Argile & Kirby.	do.	Linseed Meal.
P 89	A. W. Look.	Collinsville.	Steinmesch Feed Co.	St. Louis, Mo.	do.
P 10	Lake & Harris.	Harvard.	Milwaukee Linseed Oil Works.	Milwaukee, Wis.	Ground Linseed Cake.
P 70	American Linseed Co.	Chicago.	American Linseed Co.	Chicago.	Linseed Oil Meal.
M 76	Jos. Schneberger Co.	do.	H. Trilling & Co.	do.	Ground Flax Seed.
M 70	Cregin Elevator Co.	do.	Cregin Elevator Co.	do.	Screenings.
Q 70	Illinois Vinegar Mfg. Co.	do.	E. P. Mueller.	do.	Distillers' Wet Grains.
M 69	Spielmann Bros. Co.	do.	Spielmann Bros. Co.	do.	Dried Vinegar Grains.
Q 62	Gottfried Brewing Co.	do.	Gottfried Brewing Co.	do.	Dried Brewers' Grains.
M 92	Roselle Mill & Lumber Co.	Roselle.	Roselle Mill & Lumber Co.	Roselle.	do.
M 100	J. H. Murphy Feed Co.	Chicago.	J. H. Murphy Feed Co.	Chicago.	do.
M 110	Best Brewing Co.	do.	Best Brewing Co.	do.	do.
4	Louis Heinke.	Lombard.	J. H. Murphy Feed Co.	do.	do.
551	Wacker & Birk Brewing Co.	Chicago.	Wacker & Birk Brewing Co.	do.	do.
62	Hammond Brewing Co.	West Hammond.	Hammond Brewing Co.	West Hammond.	do.

ILLEGAL STOCK FOODS—Continued.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Brand.
P 66	Geo. E. Franzen.	Bensenville.	Geo. E. Franzen.	Bensenville.	Dried Brewers' Grains.
M 88	J. H. Murphy Feed Co.	Chicago.	J. H. Murphy Feed Co.	Chicago.	Wet Brewers' Grains.
M 69	J. H. Murphy Feed Co.	Bensenville.	Geo. E. Franzen.	Bensenville.	do.
P 67	Geo. E. Franzen.	Danville.	Fecker Brewing Co.	Danville.	do.
Q 63	Fecker Brewing Co.	Chicago.	Fleischmann Malting Co.	Cincinnati, Ohio.	do.
Q 133	Fleischmann Malting Co.	do.	M. Siebens.	Chicago.	Malt Sprouts.
P 102	Engelke & Fenier Mig. Co.	St. Louis, Mo.	Engelke & Fenier Mig. Co.	St. Louis, Mo.	Corn Bran.
P 54	United Cereal Mills.	Chicago.	United Cereal Mills.	Quincy.	Mill Feed.
P 103	Engelke & Fenier Mig. Co.	St. Louis, Mo.	Engelke & Fenier Mig. Co.	St. Louis, Mo.	Hominy Feed.
P 106	New Baden Milling Co.	New Baden.	New Baden Milling Co.	New Baden.	do.
Q 77	J. H. Cain & Son.	Jacksonville.	J. H. Cain & Son.	Jacksonville.	"Melba" Feed.
Q 23	Dixon Cereal & Feed Co.	Dixon.	Dixon Cereal & Feed Co.	Dixon.	Hominy Feed.
Q 9	Arglie & Kirby.	Chicago.	McKee & Son.	Chicago.	Corn & Oat Feed.
N 10	F. F. McKee & Son.	do.	F. F. McKee & Co.	do.	"South Dakota" Feed.
N 17	R. W. King & Co.	do.	R. W. King & Co.	do.	"Diamond K" Feed.
N 73	R. W. King & Co.	do.	do.	do.	do.
N 20	Cris. Kruessing.	do.	Cris. Kruessing.	do.	Corn & Oat Feed.
N 45B	Williams Grain Co.	do.	Williams Grain Co.	do.	Crushed Feed.
N 23	John Parly.	Kankakee.	Central Mill & Elev. Co.	Bloomington.	Corn & Oat Chops.
N 49	Nick Grimberg.	Chicago.	Northern Illinois Cereal Co.	Lockport.	"Peru" Feed.
P 79	Wm. Whitman & Co.	do.	Wm. Whitman & Co.	Urbana.	Cracked Corn & Crushed Oats.
Q 39	G. T. Dobbins.	Urbana.	G. T. Dobbins.	Lockport.	Corn & Oat Feed.
Q 17	Northern Illinois Cereal Co.	Lockport.	Northern Illinois Cereal Co.	Lockport.	Oat Feed.
Q 56	Shirley & Cornwell.	Paris.	Shirley & Cornwell.	Paris.	Corn & Oat Feed.
Q 5	F. E. Jap & Co.	Chicago.	J. J. Badenoch.	Chicago.	Barley & Oat Screenings.
Q 115	F. D. Linn.	Byron.	Swift & Co.	do.	Pure Digestor Tankage.
Q 64	Fertilizer Co. of Paris.	Paris.	Fertilizer Co. of Paris.	Paris.	Meat Tankage.
J 45A	Hausam Bros.	Peoria.	Hausam Bros.	Peoria.	"O. K."
J 45B	Hausam Bros.	do.	do.	do.	do.
K 198	Fellinger & Oliver.	Norris City.	Ohio Valley Seed & Grain Co.	Evansville, Ind.	"Early Bird" Feed.
L 3	Galesburg Flour & Feed Co.	Galesburg.	Galesburg Flour & Feed Co.	Galesburg.	Chicken Feed.
L 4	Galesburg Flour & Feed Co.	do.	do.	do.	Chicken Feed.
L 40	Hamilton & Vincent.	Ottawa.	T. B. Chamberlain Co.	St. Louis, Mo.	"Perfect" Feed.
M 57	John Schuman & Son.	Danville.	Acme-Evans Co.	Indianapolis, Ind.	"E. Z."
M 46	H. O. Hall & Co.	Carbondale.	Richland Milling Co.	Bellevue.	"Star" Feed.
M 130	F. N. Tribbitt.	Abingdon.	F. N. Tribbitt.	Abingdon.	Chicken Feed.
M 2	A. T. Norby.	Chicago.	A. T. Norby.	Chicago.	"Leghorn" Feed.
P 45	Vaughan Seed Store.	do.	Vaughan Seed Store.	do.	"A" Chick Feed.
P 46	Vaughan Seed Store.	do.	do.	do.	"C" Chick Feed.
P 47	Vaughan Seed Store.	do.	do.	do.	Hen Feed.
P 83	C. Johnson.	Bellevue.	Bellevue Feed Mill.	Bellevue.	"Bellevue" Hen Feed.
P 110	F. T. Guthrie.	Cartersville.	Bracy Supply Co.	Marion.	"Supreme" Feed.
P 19	Consumers Co.	Chicago.	Wilbur Stock Food Co.	Wilbur's.	"Wilbur's" Feed.
Q 19	Kaefel & Braunnick.	Minonk.	Joliet Grain Co.	Joliet.	"Golden Grain" Feed.

37	H. P. Stineapring.	Urbana.....	McCoy & Garten	Indianapolis, Ind	"Eureka"
38	G. T. Dobbins.....	do.....	G. L. Dobbins.....	Urbana.....	Scratch Food
61	S. E. Ewing.....	Paris.....	S. E. Ewing.....	Paris.....	Chicken Feed
62	City Mills.....	do.....	City Mills.....	do.....	do.....
78	Grauson & Raugstorf	Havana.....	Wilson Grocery Co.	Peoria.....	Wilson's
1	T. R. Puddicombe	Rockford.....	T. R. Puddicombe	Rockford.....	Scratch Feed.
2	W. P. Smith & Co.	do.....	S. Towels & Co.	do.....	do.....
23	J. Ahlendorf	Dakota.....	Meach & Bentley	Milwaukee, Wis.	"Badger"
26	W. B. West	Capron.....	Steinmuesch Feed Co.	Beloit, Wis.	"Ideal"
38	Roselle Mill & Elevator Co.	Springfield.....	Blachford's Calf Meal Factory	St. Louis, Mo.	"Early Breakfast Meal"
68	Bernard Praelzer	Roselle.....	H. H. Hanks Co.	Waukegan.....	"Full-the-Basket"
14	Albert E. Arnold	Chicago.....	do.....	Chicago.....	"Golden Egg"
48	Vaughn's Seed Store.	do.....	Vaughn's Seed Store.	do.....	Pigeon Feed.
119	H. A. Meyer	Bellmont.....	Ragon Stock Food Co.	do.....	do.....
138	A. G. Williams	Cisne.....	Great Western Remedy Co.	Evansville, Ind.	"Farmer's"
83	McKee & Son	Chicago.....	Prussian Remedy Co.	Davenport, Iowa	"Great Western"
94	Geo. E. Franzen	Bensenville.....	Geo. H. Lee & Co.	St. Paul, Minn.	"Prussian"
104	J. C. Nickelson	Aurora.....	Dr. Hess & Clark	Oak Brook, Ill.	"Lee's"
131	Home Remedy Co.	Dallas City.....	Home Remedy Co.	Ashland, Ohio	"Pars-a-c-a"
60	Harvey DeLude	Chicago.....	Dr. L. Gear Med. Co.	Dallas City.....	"K-K-A"
22	N. P. Keyes	Bradwood.....	Stock Food Co. of America	St. Louis, Mo.	"Dr. LeGear's"
31	Chas. Shelby	Parson.....	Capital Food Co.	Minneapolis, Minn.	"Clover"
9	The Fair	Chicago.....	Swift & Co.	Tiffin, Ohio	"Capitol"
10	The Fair	do.....	do.....	Chicago.....	Poultry Bone.
11	The Fair	do.....	do.....	do.....	do.....
12	The Fair	do.....	do.....	Chicago.....	do.....
19	Sulzberger Sons & Co.	do.....	Darling & Co.	do.....	Poultry Bone Meal.
58	Sulzberger Sons & Co.	do.....	Sulzberger Sons & Co.	do.....	Raw Bone Meal
105	B. M. P. Lisenby	Greenuip.....	M. M. Lienes	Greenuip.....	Blood Meal
12	B. M. P. Lisenby	Mt. Vernon.....	B. P. Lisenby	Mt. Vernon.....	Alfalfa Mixed Feed
14	Rothschild & Co.	Chicago.....	Kemper Bros.	Chicago.....	do.....
33	O. Reynolds & Son	do.....	Farwells & Son	do.....	do.....
38	Elgin Flour & Feed Co.	Elgin.....	Elgin Flour & Feed Co.	Elgin.....	Alfalfa Horse Feed
78	Jas. Schneberger Co.	Chicago.....	Acme Food Co.	Chicago.....	"Acme"
55	H. C. Kroke & Co.	do.....	H. C. Kroke & Co.	do.....	do.....
5	Keelin Bros. Co.	do.....	do.....	do.....	do.....
11	J. I. Badenoch Co.	do.....	Keelin Bros. Co.	do.....	American
7	J. I. Badenoch Co.	do.....	J. I. Badenoch Co.	do.....	Badenoch Horse Feed
84	C. Johnson	Belleville.....	Belleville Feed Mills	Belleville.....	Curve Neck
156	H. W. Blizard	Greenville.....	Consumer's Hay & Grain Co.	Greenville.....	Belleville
41	Consumer's Hay & Grain Co.	Chicago.....	Consumer's Hay & Grain Co.	Chicago.....	Blizard Mixed Feed
123	T. E. Ball	Springfield.....	Central Illinois Grain Co.	Springfield.....	Consumers Bran Feed
96	Chas. Farman	Chicago.....	Chas. Krause Milling Co.	Milwaukee, Wis.	C. I. G.
18	The Truby Co.	Joliet.....	The Truby Co.	Joliet.....	Derby
127	Montgomery & Huffman	Noble.....	Raisston Purina Co.	St. Louis, Mo.	"Green Pasture"
3	W. T. Jernell	Champaign.....	International Stock Food Co.	Minneapolis, Minn.	"Good Luck"
48	L. H. Jones & Co.	Centralia.....	do.....	do.....	Growthfast
76	David Holton	Barry.....	David Holton.....	Barry.....	Holton Horse & Dairy Food.

ILLEGAL STOCK FOODS—Continued.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Brand.
M 44	J. W. Challacomb.	Princeton.	W. S. Rhodes.	Yorkville.	"Honeyuckle"
N 12	H. J. Karsten Co.	Chicago.	H. J. Karsten & Co.	Chicago.	"I. X. L."
N 8	F. E. Jahn & Co.	do.	F. E. Jahn & Co.	do.	Jahn's Horse Feed.
Q 58	C. H. Wade.	Paris.	C. H. Wade.	Paris.	"June Pasture"
P 43	Chrosanthos Bros.	Chicago.	H. H. Hanks Co.	Chicago.	"Kingfalfa"
P 54	H. C. Knoke & Co.	do.	H. C. Knoke & Co.	do.	Knoke's Stock Food
P 91	Roselle Mill & Elevator Co.	Roselle.	J. C. Martin & Co.	Mineral Point, Wis.	"Martin's"
P 87	E. W. Hilker Feed & Coal Co.	Granite City.	Natl Enameling & Stamping Co.	Granite City.	"Nesco"
Q 29	Theiss Bros.	East St. Louis.	Theiss Bros.	East St. Louis.	"Nu Life"
Q 29	Paxton Seed Co.	Paxton.	Paxton Seed Co.	Paxton.	"Paxseco"
M 118	Reed & Cleveland.	Rochelle.	Security Remedy Co.	Minneapolis, Minn.	"Security"
P 68	Roselle Mill & Elevator Co.	Rochelle.	Standard Stock Food Co.	Omaha, Nebr.	"Standard"
P 97	Geiger Store Co.	New Athens.	Steinmesch Feed Co.	St. Louis, Mo.	"Steinmesch"
Q 63	Fertilizer Co. of Paris.	Paris.	Fertilizer Co. of Paris.	Paris.	"Switzer"
Q 13	Wm. Hereley Co.	Chicago.	Wm. Hereley Co.	Chicago.	"X. X. X. X."
K 138	Wonn Mercantile Co.	Clare.	Stillwagon Food Co.	St. Louis, Mo.	"Improved Peerless"
M 97	A. F. Koch.	Chicago.	Frazier Lubricator Co.	Chicago.	"Special"
M 106	A. W. Harbour.	Aurora.	Prairie Remedy Co.	Aurora.	"Frazer"
P 59	Harvey DeLude.	do.	Dr. Le Gear Med. Co.	St. Louis, Mo.	"Dr. Le Gear's"
Q 15	National Live Stock Remedy Co.	Chicago.	National Live Stock Remedy Co.	Chicago.	"National"
Q 21	J. A. Smith.	Braidwood.	Geo. H. Lee Co.	Omaha, Nebr.	"Lee's"
R 31	Crescent Remedy Co.	Genoa.	Crescent Remedy Co.	Genoa.	"Crescent"
R 41	Blachford's Calf Meal Factory.	Waukegan.	Blachford's Calf Meal Factory.	Waukegan.	"Genuine Old English"
R 52	Kalo Stock Remedy Co.	Quincy.	Kalo Stock Remedy Co.	Quincy.	"Kalo"
R 53	Kalo Stock Remedy Co.	do.	do.	do.	do.

ILLEGAL STOCK FOODS—Continued.

No.	Representation.	Crude fat.		Crude protein.		Crude fiber.		Li- cense fee paid.	Remarks.
		Guar- antee per cent.	Found per cent.	Guarantee per cent.	Found per cent.	Guar- antee per cent.	Found per cent.		
K 64	Bran with ground screenings	.....	4.20	.....	15.46	.....	12.46	Yes	No guarantee.
K 81	Bran with ground screenings	.....	4.81	.....	14.31	.....	8.58	Yes	No guarantee.
K 80	Bran with ground screenings	.....	4.59	.....	14.68	.....	8.42	Yes	No guarantee.
K 109	Bran with ground screenings	.....	4.11	.....	13.88	.....	8.35	Yes	No guarantee.
K 143	Bran with ground screenings	.....	4.50	.....	16.58	.....	9.14	Yes	No guarantee.
K 152	Bran with ground screenings	.....	4.50	.....	15.06	.....	10.40	Yes	No guarantee.

K 160	Bran with ground screenings	4.53	16.73	9.15	Yes	No guarantee.
K 163	Bran with ground screenings	4.36	17.19	10.51	Yes	No guarantee.
K 167	Bran with ground screenings	4.35	17.18	9.26	Yes	No guarantee.
K 168	Bran with ground screenings	3.65	14.93	11.45	Yes	No guarantee.
K 170	Bran with ground screenings	3.67	15.33	10.16	Yes	No guarantee.
K 174	Bran with ground screenings	4.45	13.20	10.74	Yes	No guarantee.
K 180	Bran with ground screenings	4.37	13.40	7.90	Yes	No guarantee.
K 183	Bran with ground screenings	3.94	15.50	8.63	Yes	No guarantee.
K 186	Bran with ground screenings	4.06	16.71	9.25	Yes	No guarantee.
K 190	Bran with ground screenings	4.00	16.10	8.45	Yes	No guarantee.
N 92	Bran with ground screenings	5.27	15.00	10.47	Yes	Fiber higher than guarantee.
N 93	Bran with ground screenings	5.40	14.25	10.00	Yes	Fiber higher than guarantee.
M 86	Bran with ground screenings	4.00	13.25	12.84	Yes	Fiber guarantee not stated. Protein lower than guarantee.
M 90	Bran with ground screenings	4.41	15.40	11.98	Yes	Fiber lower than guarantee.
P 94	Bran with ground screenings	5.18	14.00	8.27	Yes	No guarantee.
P 104	Bran with ground screenings	5.10	14.00	8.47	Yes	No guarantee.
P 106	Bran with ground screenings	5.26	15.40	8.57	Yes	No guarantee.
P 113	Bran with ground screenings	5.31	15.05	8.95	Yes	No guarantee.
P 121	Bran with ground screenings	4.57	15.25	8.95	Yes	No guarantee.
P 126	Bran with ground screenings	4.44	15.57	8.71	Yes	No guarantee.
R 11	Bran with ground screenings	5.24	16.63	11.15	Yes	Net weight not stated.
R 16	Bran with ground screenings	5.06	15.83	11.34	Yes	Net weight not stated.
R 27	Bran with ground screenings	4.63	15.94	11.04	Yes	Fat lower than guarantee.
R 30	Bran with ground screenings	4.31	15.29	11.01	No	Fiber higher than guarantee.
P 28	Screenings, bran.....	2.49	13.54	11.06	Yes	No guarantee.
K 65	Middlings and screenings	4.49	16.14	6.40	Yes	No guarantee.
K 66	Middlings and screenings	3.58	14.72	4.92	Yes	No guarantee.
K 10	Middlings and screenings	4.25	16.36	4.93	Yes	No guarantee.
K 137	Middlings and screenings	5.00	17.80	5.53	Yes	No guarantee.
K 175	Middlings and screenings	4.72	14.83	5.52	No	No guarantee.
M 101	Middlings and screenings	5.97	17.25	5.48	Yes	No guarantee.
P 83	Middlings and screenings	5.80	16.90	5.36	Yes	No guarantee.
P 85	Middlings and screenings	6.17	15.09	5.18	Yes	No guarantee.
Q 9	Middlings and screenings	5.92	15.69	4.75	Yes	No guarantee.
R 12	Middlings and screenings	5.69	16.20	10.00	No	Net weight not stated.
R 25	Middlings and screenings	4.21	17.57	3.56	Yes	Net weight not stated. Fiber higher than guarantee.
R 26	Middlings and screenings	5.80	14.80	5.02	Yes	Fat lower than guarantee.
R 28	Middlings and screenings	5.06	16.30	4.60	Yes	Fat lower than guarantee.
R 29	Middlings and screenings	5.18	16.47	9.73	No	Fiber higher than guarantee.
R 29	Middlings and screenings	4.96	17.00	5.56	No	Fiber higher than guarantee.
P 105	Bran, middlings and screenings	5.01	16.38	7.89	No	Fat lower than guarantee. Protein lower than guarantee.
P 131	Bran, middlings and screenings	4.93	15.47	7.94	Yes	No guarantee.
K 140	Wheat bran and corn bran	4.31	15.77	8.59	Yes	No guarantee.
P 123	Wheat bran and corn bran	4.36	15.24	7.94	Yes	Ingredients not stated.
P 130	Wheat bran and corn bran	4.56	15.05	7.96	Yes	No guarantee.
P 64	Wheat bran and corn bran	4.37	15.95	10.17	Yes	No guarantee.
K 78	Wheat bran, screenings and corn bran	4.64	16.54	8.79	Yes	No guarantee.
P 108	Wheat bran, screenings and corn bran	4.69	15.65	9.78	Yes	Net weight not stated.
P 114	Wheat bran, screenings and corn bran	4.82	15.65	8.62	Yes	No guarantee.
P 115	Wheat bran, screenings and corn bran	5.53	13.74	10.01	Yes	No guarantee.
			13.75	7.09	Yes	No guarantee.
			13.82			

ILLEGAL STOCK FOODS—Continued.

No.	Representation.	Crude fat.		Crude protein.		Crude fiber.		Li- cense fee paid.	Remarks.
		Guar- antee per cent.	Found per cent.	Guarantee per cent.	Found per cent.	Guar- antee per cent.	Found per cent.		
P 117	Wheat bran, screenings and corn bran.	.....	5.67	.....	14.63	.....	9.64	Yes	No guarantee. Ingredients not stated.
P 118	Wheat bran, screenings and corn bran.	.....	4.73	.....	15.06	.....	10.03	Yes	No guarantee. Ingredients not stated.
P 120	Wheat bran, screenings and corn bran.	.....	4.37	.....	16.49	.....	8.02	Yes	No guarantee.
Q 74	Wheat bran, screenings and corn bran.	.....	4.49	.....	13.45	.....	8.96	Yes	No guarantee.
K 183	Bran, middlings, screenings & corn bran.	.....	4.63	.....	16.33	.....	6.51	Yes	No guarantee. Ingredients not stated.
K 183	Bran, middlings, screenings & corn bran.	.....	5.15	.....	16.33	.....	6.57	Yes	No guarantee.
P 100	Bran, middlings, screenings & corn bran.	.....	4.61	.....	14.68	.....	7.10	Yes	No guarantee.
P 112	Bran, middlings, screenings & corn bran.	.....	5.36	.....	14.36	.....	7.53	Yes	No guarantee.
P 119	Bran, middlings, screenings & corn bran.	.....	5.36	.....	15.66	.....	8.07	Yes	No guarantee.
P 123	Bran, middlings, screenings & corn bran.	.....	4.59	.....	15.55	.....	9.01	Yes	No guarantee. Ingredients not stated.
P 123	Bran, middlings, screenings & corn bran.	.....	4.43	.....	15.55	.....	7.75	Yes	No guarantee. Ingredients not stated.
P 124	Bran, middlings, screenings & corn bran.	.....	5.17	.....	17.10	.....	7.90	Yes	No guarantee. Ingredients not stated.
P 125	Bran, middlings, screenings & corn bran.	.....	4.49	.....	14.47	.....	6.30	Yes	No guarantee. Ingredients not stated.
M 128	Ground corn and wheat bran.	.....	4.29	.....	11.57	.....	4.32	No	No guarantee. Ingredients not stated. Net weight not stated.
P 127	Bran, middlings and corn bran.	.....	5.45	.....	13.67	.....	6.89	Yes	No guarantee. Ingredients not stated.
K 154	Cracked corn and wheat bran.	.....	4.35	.....	13.47	.....	5.14	No	No guarantee.
M 87	Cotton seed meal.	7.50	7.50	.....	39.53	10.00	11.85	Yes	Protein lower than guarantee. Fiber higher than guar- antee.
N 20	Cotton seed meal.	.....	9.79	.....	34.40	.....	11.83	No	No guarantee.
M 32	Cotton seed cake.	.....	9.24	.....	21.90	.....	26.10	Yes	No guarantee.
M 33	Cotton seed meal and hulls.	6.00	9.20	.....	22.00	25.00	26.00	No	Protein lower than guarantee. Fiber higher than guar- antee.
P 30	Linseed meal.	8.00	39.00	34.00	24.00	9.00	5.45	Yes	Protein lower than guarantee.
P 38	Linseed meal.	.....	34.43	.....	23.18	.....	7.46	No	No guarantee.
P 89	Linseed meal.	.....	8.63	.....	32.30	.....	8.70	No	No guarantee.
P 89	Linseed meal.	.....	7.31	32-35	34.45	.....	7.94	Yes	Fiber guarantee not stated.
P 70	Linseed oil meal.	5-8	3.31	32-35	27.91	9.00	9.29	Yes	Protein lower than guarantee.
M 76	Ground flax seed.	32.00	34.60	34.00	19.60	8.00	7.50	Yes	Protein lower than guarantee.
M 76	Ground flax seed.	.....	1.76	.....	12.68	.....	11.99	No	No guarantee.
Q 70	Distillers' wet grains.	.....	8.17	.....	4.03	.....	4.12	Yes	No guarantee.
M 69	Dried brewers' grains.	.....	11.31	.....	13.91	.....	12.69	No	No guarantee.
M 69	Dried brewers' grains.	.....	7.99	.....	28.00	.....	15.20	No	No guarantee.
M 92	Dried brewers' grains.	.....	7.56	.....	29.01	.....	13.99	No	No guarantee.
M 100	Dried brewers' grains.	.....	8.56	.....	37.52	.....	14.90	Yes	No guarantee.
M 110	Dried brewers' grains.	.....	6.64	.....	29.05	.....	17.34	Yes	No guarantee.
N 4	Dried brewers' grains.	.....	6.00	.....	29.00	.....	16.00	Yes	No guarantee.
P 531	Dried brewers' grains.	7.00	7.60	25.00	23.00	.....	16.00	Yes	Protein lower than guarantee. Fiber guarantee not stated.
P 62	Dried brewers' grains.	.....	7.50	26.00	31.00	.....	14.00	Yes	Fiber guarantee not stated.
P 66	Dried brewers' grains.	6.00	7.50	29.20	.....	.....	12.00	Yes	No guarantee.

M	98	Wet brewers' grains.....	1.93	7.44	4.32	Yes	No guarantee.
M	99	Wet brewers' grains.....	1.86	7.65	4.44	Yes	No guarantee.
P	67	Wet brewers' grains.....	1.80	7.04	3.70	Yes	No guarantee.
P	65	Wet brewers' grains.....	2.60	14.15	5.02	Yes	No guarantee.
Q	113	Malt sprouts.....	2.99	21.75	14.05	Yes	No guarantee.
F	112	Malt sprouts.....	3.53	26.25	19.10	Yes	No guarantee.
M	108	Maize bran.....	5.68	7.73	10.30	Yes	No guarantee.
P	108	Maize bran.....	3.91	7.73	0.95	Yes	No guarantee.
P	54	Corn products.....	8.52	11.24	3.42	Yes	No guarantee.
P	103	Hominy feed.....	7.73	11.24	3.49	Yes	No guarantee.
P	116	Hominy feed.....	9.59	9.66	5.07	Yes	No guarantee.
Q	77	Hominy feed.....	9.88	11.21	8.94	Yes	No guarantee.
R	32	Corn bran, corn germ and starch.....	4.58	10.50	5.87	No	No guarantee.
N	16	Cracked corn and oats.....	5.26	11.38	6.44	No	No guarantee.
N	17	Cracked corn and oats.....	5.00	10.85	6.59	No	No guarantee.
N	73	Cracked corn and oats.....	4.56	10.45	4.35	No	No guarantee.
P	20	Cracked corn and oats.....	5.61	9.85	10.08	No	No guarantee.
N	23	Cracked corn and oats.....	5.06	9.70	5.42	No	No guarantee.
N	29	Corn and oat chops.....	5.00	10.00	6.00	No	No guarantee.
P	6	Corn and oat feed.....	3.64	9.00	8.49	Yes	Protein lower than guarantee. Ingredients not stated.
P	79	Cracked corn and crushed oats.....	4.30	11.30	7.60	No	No guarantee.
P	39	Corn, oats and oat bran.....	4.40	9.94	5.12	No	No guarantee.
Q	17	Oat feed.....	7.89	17.90	2.96	Yes	Ingredients not stated.
Q	56	Corn and oat feed.....	6.39	12.03	5.10	Yes	Ingredients not stated.
Q	5	Barley and oat screenings.....	4.19	11.53	8.91	No	No guarantee.
Q	115	Tankage.....	13.40	57.18	1.99	Yes	Protein lower than guarantee.
M	64	Meat tankage.....	14.09	57.85	1.43	Yes	No guarantee.
Q	45A	Scratch food.....	3.13	9.18	2.20	No	Fat lower than guarantee. Protein lower than guarantee.
J	43B	Scratch food.....	4.10	10.50	3.40	No	No guarantee.
K	108	Scratch food.....	3.09	10.75	4.05	Yes	Ingredients not stated.
L	3	Chicken feed.....	3.17	9.40	2.50	Yes	Ingredients not stated.
L	4	Chick feed.....	2.96	9.75	2.39	Yes	Ingredients not stated.
M	40	Chick feed.....	3.15	11.15	5.05	No	Fiber higher than guarantee.
M	57	Chick feed.....	3.10	9.00	2.50	No	No guarantee.
M	46	Chick feed.....	4.80	11.06	4.72	Yes	Ingredients not stated.
M	130	Chicken feed.....	3.09	9.36	2.18	Yes	No guarantee.
M	2	Chicken feed.....	3.79	12.68	3.18	Yes	No guarantee.
M	45	Chick feed.....	3.30	11.81	4.25	No	No guarantee.
P	46	Chick feed.....	4.15	11.50	5.25	Yes	Ingredients not stated.
P	47	Hen feed.....	4.00	11.87	3.94	Yes	Ingredients not stated.
P	83	Hen feed.....	3.35	9.04	1.74	Yes	No guarantee.
P	110	Scratch feed.....	3.31	11.47	3.05	Yes	No guarantee.
Q	10	Poultry feed.....	6.22	17.00	12.10	No	Protein lower than guarantee. Fiber higher than guarantee.
Q	19	Scratch feed.....	3.39	10.00	3.96	Yes	Net weight not stated.
Q	37	Scratch feed.....	2.78	11.60	3.19	No	Ingredients not stated.
Q	38	Scratch feed.....	2.89	10.97	2.58	No	Ingredients not stated.
Q	61	Chicken feed.....	3.02	10.10	1.92	No	No guarantee.
Q	62	Chicken feed.....	3.19	10.07	2.00	No	Ingredients not stated.

ILLEGAL STOCK FOODS—Concluded.

No.	Representation.	Crude fat.		Crude Protein.		Crude fiber.		Li- cense fee per paid.	Remarks.
		Guar- anteed per cent.	Found per cent.	Guarantee per cent.	Found per cent.	Guar- anteed per cent.	Found per cent.		
Q 78	Scratch feed	2.50	3.95	10.00	13.45	5.00	2.91 No.	No guarantee. Ingredients not stated.	
Q 79	Scratch feed		3.83		9.95		3.32 No.	No guarantee. Ingredients not stated.	
R 1	Scratch feed		3.86		10.13		3.77 No.	No guarantee. Ingredients not stated.	
R 2	Scratch feed		3.40		11.16		2.32 No.	No guarantee. Ingredients not stated.	
R 23	Scratch feed	2.50	3.24	10.00	9.86	5.00	3.57 No.	Ingredients incorrectly stated.	
M 30	Chicken mash.	2.50	3.50	9.00	12.10	4.80	7.30 No.	Protein lower than guarantee.	Ingredients not stated.
M 63	Egg mash	4.00	4.96	19.00	16.95	10.00	11.46 Yes.	Fiber higher than guar- antee.	
M 68	Pigeon feed	2.50	3.62	10.00	10.58	5.00	4.00 Yes.	Ingredients incorrectly stated. Net weight not stated.	
Q 14	Pigeon feed		3.66		11.75		2.66 No.	No guarantee. Ingredients not stated. Net weight not stated.	
P 48	Pigeon feed		3.07		13.56		4.94 Yes.	No guarantee. Ingredients not stated.	
K 119	Poultry tonic.		3.82	13.56	15.50		8.75 No.	Fat guarantee not stated. Ingredients not stated. Fiber guarantee not stated. Net weight not stated.	
K 138	Malted poultry conditioner.		*7.13		8.35		10.38 No.	No guarantee. Net weight not stated.	
M 83	Poultry tonic.		*6.75		11.07		16.93 No.	No guarantee.	
M 84	Egg maker		*4.17		56.13		12.17 Yes.	No guarantee. Net weight not stated.	
M 104	Poultry pan-a-ce-a		1.36		6.95		3.75 Yes.	No guarantee.	
M 131	Poultry tonic.		*5.43		9.50		3.66 No.	No guarantee. Ingredients not stated. Net weight not stated.	
P 60	Poultry powder.		3.92		12.40		10.60 No.	No guarantee. Net weight not stated.	
Q 22	Poultry tonic		2.96		11.20		10.64 No.	No guarantee.	
Q 31	Poultry remedy.		*7.74		10.36		10.81 No.	No guarantee. Net weight not stated.	
Q 32	Poultry tonic		3.90		25.20		10.81 No.	No guarantee. Net weight not stated.	
P 8	Poultry bone	5.00	3.53	25.00	25.20		Yes	Fiber guarantee not stated. Fat lower than guarantee.	
P 9	Poultry bone	5.00	3.53	25.00	25.00		Yes	Fiber guarantee not stated. Fat lower than guarantee.	
P 10	Poultry bone		3.20		28.00		Yes	No guarantee.	
P 11	Poultry bone	5.00	3.20	25.00	26.30		Yes	Fiber guarantee not stated. Fat lower than guarantee.	
P 12	Poultry bone meal		4.22		25.00		Yes	No guarantee.	
P 19	Raw bone meal	2.00	7.42	30.00	26.00		2.25 Yes.	Fiber guarantee not stated.	
P 58	Blood meal		1.95		90.30		1.02 No.	No guarantee.	
K 105	Alfalfa mixed feed		4.47		10.08		10.13 Yes.	No guarantee. Ingredients not stated.	
K 142	Alfalfa mixed feed		4.39		10.00		11.67 Yes.	No guarantee. Ingredients not stated.	
P 14	Short cut Alfalfa.		2.50		12.73		29.02 No.	No guarantee.	
P 33	Dry alfalfa		4.08		17.93		23.35 Yes.	No guarantee.	
P 38	Alfalfa horse feed.		4.82		11.17		9.75 Yes.	No guarantee. Ingredients not stated. Net weight not stated.	
M 78	Stook food		7.20		16.40		6.60 No.	No guarantee.	
M 55	Mixed feed.		3.66		10.50		9.24 Yes.	Net weight not stated.	
N 5	Horse feed		4.19		11.30		8.13 Yes.	No guarantee. Ingredients not stated.	
Q 11	Cruised oats and barley		4.49		11.73		8.99 No.	No guarantee.	
Q 7	Horse feed		4.52		10.68		7.50 Yes.	No guarantee. Ingredients not stated.	

P 84	Mill feed.....	4.73	11.40	8.18	Yes	No guarantee.	Ingredients not stated.
K 156	Mixed feed.....	3.41	11.13	12.73	Yes	No guarantee.	Ingredients not stated.
Q 41	Bran feed.....	3.09	11.50	10.03	Yes	No guarantee.	Ingredients not stated.
M 123	Horse feed.....	2.07	10.64	6.13	Yes	No guarantee.	Ingredients not stated.
M 93	Horse feed.....	2.07	10.64	13.97	Yes	Protein lower than guarantee.	
Q 127	Molasses feed.....	3.76	10.81	11.20	Yes	No guarantee.	Ingredients not stated.
K 187	Horse feed.....	2.74	9.95	14.27	Yes	No guarantee.	Ingredients not stated.
M 9	3 Calf meal.....	7.53	25.00	8.50	Yes	Ingredients not stated.	
M 48	Calf meal.....	7.50	27.75	9.00	Yes	Ingredients not stated.	
Q 75	Horse and dairy feed.....	4.51	13.50	11.15	Yes	No guarantee.	
M 44	Calf feed.....	5.47	26.25	8.20	Yes	Fiber higher than guarantee.	Fat lower than guarantee.
N 12	Horse feed.....	4.80	11.70	9.70	Yes	No guarantee.	
Q 8	Horse feed.....	4.06	10.24	4.78	Yes	No guarantee.	Ingredients not stated.
Q 58	Cow feed.....	4.13	10.35	7.69	Yes	No guarantee.	Ingredients not stated.
P 43	Meadow feed.....	1.66	12.60	17.00	Yes	Fat lower than guarantee.	Ingredients not stated.
P 54	Stock feed.....	3.78	9.80	31.20	Yes	No guarantee.	Ingredients not stated.
M 91	Calf feed.....	8.09	26.00	7.85	Yes	Fiber higher than guarantee.	
P 87	Stock feed.....	7.51	16.00	8.68	Yes	Ingredients not stated.	
P 90	Dairy feed.....	5.95	16.77	12.48	Yes	Protein lower than guarantee.	
Q 28	Horse feed.....	3.70	16.63	8.24	Yes	No guarantee.	Ingredients not stated.
M 118	Calf feed.....	4.38	14.10	8.73	Yes	No guarantee.	Ingredients not stated.
P 68	Stock feed.....	7.04	8.40	14.80	No	No guarantee.	Ingredients not stated.
P 97	Mixed feed "course".....	3.02	10.33	3.27	Yes	Fat lower than guarantee.	
Q 63	Hog feed.....	6.45	31.40	3.09	Yes	No guarantee.	Ingredients not stated.
Q 13	Hog feed.....	5.55	10.23	6.33	Yes	No guarantee.	Ingredients not stated.
K 133	Medicated stock feed.....	*7.09	14.90	10.15	No	No guarantee.	Ingredients not stated.
M 97	Stock feed.....	*8.67	17.59	6.32	Yes	Protein lower than guarantee.	Net weight not stated.
M 104	Horse tonic.....	6.34	23.54	7.73	No	Net weight not stated.	
P 59	Stock powder.....	4.91	14.00	9.50	No	No guarantee.	Net weight not stated.
Q 15	Horse and cattle powder.....	7.53	14.90	14.00	Yes	No guarantee.	Ingredients not stated.
Q 37	Worm powder.....	1.73	9.04	7.30	No	No guarantee.	
R 31	Hog conditioner.....	*5.28	23.13	9.16	Yes	No guarantee.	Ingredients not stated.
R 41	Tonic and regulator.....	*10.24	21.27	9.45	Yes	No guarantee.	Net weight not stated.
R 53	Steer tonic.....	*4.42	8.00	11.23	Yes	No guarantee.	Ingredients not stated.
R 53	Hog tonic.....	3.84	2.07	11.16	Yes	No guarantee.	Ingredients not stated.

* Represent crude ether extract including sulphur with crude fat.

LEGAL STOCK FOODS.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Brand.
N 10	S. Minsky	Chicago	Bay State Milling Co.	Winona, Minn.	"Winona"
N 14	R. W. King Feed Co.	do	L. G. Campbell Milling Co.	Owatonna, Minn.	Choice Bran
N 3	Patch Bros.	Green Elyn	Crystal Milling Co.	Crystal Lake, Minn.	Wheat Bran
N 11	John Jonas	Chicago	Excelsior Milling Co.	Yankton, S. D.	Euro
K 112	C. J. Baird	Marionville	Kellogg Flour Mills Co.	St. Louis, Mo.	"Palace" Wheat Bran
M 74	K. M. Bros. & Co.	Chicago	Mystic Milling Co.	St. Louis, Mo.	"Palace" Wheat Bran
P 65	L. Heinke	Chicago	Northwestern Consolidated Milling Co.	St. Louis, Mo.	Pure Wheat Bran
P 78	M. Frach	Chicago	Shannon & Mott Co.	Minneapolis, Minn.	do
P 57	Home Elevator & Mill Co.	Lawrenceville	Sleepy Eye Milling Co.	Minneapolis, Minn.	Pure Wheat Bran
P 77	Atelle & Kirby Co.	Chicago	W. H. Stokes Milling Co.	Wattertown, S. D.	Madella Roller Mill Wheat Bran
M 108	Thos. Stewart	St. Charles	C. S. Christensen Co.	Madella, Minn.	Embo
P 6	Moore & Mayton	Rockton	Eberling Milling Co.	Green Bay, Wis.	Wheat Bran
P 8	Graham Bros. Co.	Rockton	Elysian Milling Co.	Elysian, Minn.	Flaky Bran
P 7	Moore & Gayton	Rockton	Hubbard Milling Co.	Mankato, Minn.	Wheat Bran
P 61	John Jones	Chicago	Jennison Bros. & Co.	do	do
P 99	Mulligan Bros	Capron	do	Minneapolis, Minn.	do
P 100	Z. R. Carter & Bros	Chicago	W. J. Jennison Co.	Minneapolis, Minn.	do
P 100	Koenigsmark Milling Co.	Waterloo	Koenigsmark Milling Co.	Waterloo, Ill.	Bran
N 91	B. Ritzma	Chicago	Marshall Milling Co.	Marshall, Minn.	Wheat Bran
N 9	Graham Bros. Co.	Chicago	New Prague Flouring Mill Co.	New Prague, Minn.	Seal of Minnesota
N 56	N. J. Crauch	Durand	Purity Milling Co.	Manhattan, Kans.	Wheat Bran
N 58	Star & Crescent Milling Co.	Mendon	Star & Crescent Milling Co.	Chicago	Star
N 58	J. J. Crosby	Chicago	Walnut Milling Co.	Walnut, Ia.	Walnut
N 73	C. H. Crosby	do	Waterloo & Cedar Falls Union Mill Co.	Waterloo, Ia.	Wheat Bran
N 64	Helmer Bros. Feed Store	do	do	do	Pure Wheat Bran
N 81	Nick Grimbey	do	Bay State Milling Co.	Winona, Minn.	Winona Wheat Middlings
N 107	W. L. Judd	St. Charles	Bennett Milling Co.	Geneva	Middlings
N 83	J. Valbert Co.	Flora	Kaw Milling Co.	Topeka, Kans.	White Middlings
N 48	D. Doms	Shelbyville	do	do	do
N 33	George D. Laling	Dixon	do	do	do
N 185	T. E. Jupp	Chicago	Quaker Oats Co.	Chicago	Middlings
N 17	Dey & Ritger	Morrisville	Arkansas City Milling Co.	Arkansas City, Kans.	Standard Wheat Shorts
N 17	Buell & Olmstead	Woodstock	Atlas Flour Mills	Milwaukee, Wis.	Atlas
N 59	B. A. Eckhart Milling Co.	Chicago	B. A. Eckhart Milling Co.	Chicago	Wheat Middlings
N 14	R. J. Latner	Harvard	Elysian Milling Co.	Elysian, Minn.	Eclipse
N 15	R. J. Latner	do	do	do	do
N 38	Mosher Bros. Co.	Gilman	Everett Aughenbaugh & Co.	Waseca, Minn.	E-A Co
N 96	Peter Haup Mill	New Athens	Peter Haup Mill	New Athens	Wheat Middlings
N 30	Mulligan Bros	Capron	Jennison Bros. & Co.	Janesville, Minn.	do
N 21	Mulligan Bros	do	do	do	do
N 12	Consumers Co.	Evanson	J. B. A. Kern & Son	Milwaukee, Wis.	"Eagle"
N 101	Koenigsmark Mill Co	Waterloo	Koenigsmark Mill Co.	Waterloo	Wheat Middlings
N 24	W. M. Webster	Poplar Grove	Madella Roller Mills	Madella, Minn.	Wheat Flour Middlings
N 130	W. L. Holman	Clay City	Moses Bros. Mills	Great Bend, Kans.	Shorts and Screenings
N 88	H. Vanderbilt & Co	Chicago	Northwestern Consolidated Milling Co.	Minneapolis, Minn.	Wheat Flour Middlings

R	13	R. J. Latter	Harvard	Northwestern Feed Co.	do	Orleans
K	187	E. D. Gordon	Toledo	Plainville Mill & Elevator Co.	do	Shorts and Screenings
K	190	B. French & Son	Belmont	Pratt Mills	Pratt, Kans.	do
E	19	Bossard & Meyer	Woodstock	Sleepy Eye Flour Mill Co.	Minneapolis, Minn.	Wheat Middlings
N	1	Sar & Crescent Milling Co.	Chicago	Sar & Crescent Milling Co.	Chicago	"Star" Pure Wheat Middlings
N	73	C. D. Meyer	do	Washington Mills	Minneapolis, Minn.	Wheat Flour Middlings
K	51	Bernet, Croft & Kaufman Co.	St. Louis	Bernet, Croft & Kaufman Co.	St. Louis, Mo.	Mixed Feed
K	76	Prunty & Fieber	Grayville	Acme-Evans Co.	Indianapolis, Ind.	Acme Feed
N	2	T. N. Rophly	Chicago	Eckart Milling Co.	Chicago	do
N	37	American Hominy Co.	Decatur	Washington, Crosby Co.	Minneapolis, Minn.	Pure Rye Middlings
M	67	G. N. Vail	Chicago	Chicago Heights Oil Manufacturing Co.	Chicago Heights	Corn Oil Cake Meal
M	14	B. F. Hoopes & Son	Bloomington	Tennessee Fiber Co.	Memphis, Tenn.	"Cremo" Cotton Seed Meal
M	31	Fred Vole	Springfield	Wettklocher & Sons	Springfield	Cotton Seed Meal
M	1	Marlin Schipper	Blue Island	American Linseed Co.	Chicago	Linseed Oil Meal
P	34	O. Reynolds & Son	Chicago	American Milling Co.	Superior, Wis.	Linseed Meal
M	89	H. Vanderbilt & Co.	do	Archer, Daniels Linseed Co.	Minneapolis, Minn.	Old Process Linseed Cake
M	68	G. N. Vail	do	Chicago Heights Oil Manufacturing Co.	Chicago Heights	Old Process Oil Meal
P	71	Chicago Heights Oil Mfg. Co.	do	do	do	"Laxo" Cake Meal
P	28	John Parry	Kankakee	Laxo Cake Meal Co.	Chicago	"Laxo" Cake Meal
P	15	Rothschild & Co.	Chicago	Midland Linseed Products Co.	Minneapolis, Minn.	Linseed Cake
P	40	George Peacock	do	D. Bligh & Co.	Englewood	Flax Seed
P	39	Fred Welke	do	H. Trilling & Co.	Chicago	Ground Flax Seed
R	18	Buell & Oimstead	Woodstock	Ajax Milling & Feed Co.	New York, N. Y.	"Ajax" Feed
M	64	Farmers' Dairy Feed Co.	Bensenville	Davenport Grain Drying Co.	Davenport, Ia.	Brewers' Dried Grains
M	11	H. E. Ounholt	Danville	Quaker Oats Co.	Chicago	Yellow Hominy Feed
M	16	Rothschild & Co.	Chicago	Corn Products Refining Co.	New York	Gluten Meal
P	56	John Parry	Kankakee	Central Mill & Elevator Co.	Bloomington	Corn and Oats Chop Feed
M	105	S. A. Steck & Co.	Aurora	S. A. Steck & Co.	Aurora	Ground Whole Corn and Oats
M	82	F. J. Carey	Chicago	Darling & Co.	Chicago	Darling's Meat Crisps
M	18	Rothschild & Co.	do	do	do	Meat Scraps
P	3	M. Schipper	Blue Island	Swift & Co.	do	do
P	19	Peoria Flour & Feed Co.	Peoria	F. J. Brown & Co.	Peoria	Brown Chicken Feed
M	1	Champaign Seed Co.	Champaign	Edwards & Loomis	Chicago	"Cackle" Poultry Food
M	21	A. D. Campbell Hay Co.	Peoria	American Milling Co.	Peoria	"Cluck, Cluck" Scratch Feed
K	188	E. W. Smith	Lawrenceville	Corno Mills Co.	St. Louis, Mo.	"Corno" Hen Feed
P	20	Rothschild & Co.	Chicago	Cyphers Incubator Co.	Chicago	Scratching Food
P	41	D. E. Daly	Ottawa	D. E. Daly	Ottawa	Daly's Poultry Mix
P	26	Rothschild & Co.	Chicago	Cyphers Incubator Co.	Chicago	Developing Food
P	21	Rothschild & Co.	do	Park & Pollard Co.	Chicago	Dry Mash
P	24	Rothschild & Co.	do	Innis, Speiden & Co.	Boston, Mass.	"Egg O' Milk"
P	17	Peoria Flour & Feed Co.	Peoria	Plymouth Milling Co.	Chicago	"Everlay" Scratch Feed
M	15	B. F. Hoopes & Son	Bloomington	B. F. Hoopes & Son	LeMars, Ia.	"Excelsior" Hen Feed
M	2	M. Schipper	Blue Island	Albert Dickinson	Bloomington	"Globe" Scratch Feed
P	36	E. Lilly & Son	Decatur	Howard H. Hanke	Chicago	"Golden Egg" Chick Feed
P	35	Charlanto Bros	do	do	do	do
M	39	George Marvagnis	do	do	do	do
P	10	H. E. Ounholt	Danville	Ralston Purina Co.	St. Louis, Mo.	"Good Luck" Scratch Feed
M	16	Geo. Acle & Sons	Bloomington	Gray & Scheff	Springfield	"Hen-o-lay Dry" Mash
M	60	Newton & Balhke	Glen Ellyn	Hen-E-Ta Bone Co.	do	do
P	23	Rothschild & Co.	Chicago	do	do	do

LEGAL STOCK FOODS—Continued.

No.	Dealer.	Address.	Manufacturer or jobber.	Address.	Brand.
M 18	Peoria Flour & Feed Co.	Peoria	Sugarine Co.	Chicago	"Ideal" Scratch Feed.
P 13	Rothschild & Co.	Chicago	Kemper Bros	do	Poultry Food
M 50	L. H. Jones & Co.	Centralia	International Sugar Feed Co.	Minneapolis, Minn.	"International" Poultry Feed.
M 38	W. A. Vaught	Decatur	Chapman & Donke	Decatur	"Lay More" Hen Feed
M 42	LaSalle Flour & Feed Co.	LaSalle	Edwards & Loomis	Chicago	"Morning Glory" Scratch Feed
M 85	F. Matuszynski	Chicago	do	do	do
M 39	Muller, Platt & Wheeland Co.	Decatur	Quaker Oats Co.	do	"Pansy" Hen Feed.
M 4	C. P. Steinspring	Urbana	J. S. Ashbrook & Co.	Mattoon	"Peerless" Scratch Feed.
P 35	H. C. Knoke & Co.	Chicago	H. C. Knoke & Co.	Chicago	"Perfecto" Poultry Food
M 56	H. C. Knoke & Co.	do	do	do	do
M 45	J. H. Gregory & Co.	DuQuoin	Haas-Lieber Grocery Co.	St. Louis, Mo.	"Pilot" Poultry Feed.
P 22	Rothschild & Co.	Chicago	Purina Mills	do	Chicken Chowder
P 49	Vaughn Seed Store	do	do	do	do
P 41	C. C. Wagner, Jr.	Argo	W. J. Byrnes & Co.	Chicago	"Royal" Poultry Feed.
P 42	C. C. Wagner, Jr.	do	do	do	do
M 61	L. Heinke	Lombard	Bennett Milling Co.	Geneva	"Daisy" Poultry Feed.
M 43	M. M. Levan	Peru	Baker, Wignall & Co	LaSalle	"Shield Scratch" Feed.
M 53	J. C. Pattinagle	Champaign	A. Dickinson Co.	Chicago	"Starved Rock" Scratch Feed.
P 51	Siegel, Cooper & Co.	do	do	do	"Sun" Chick Starter.
P 25	Rothschild & Co.	do	do	do	do
M 13	B. F. Hoopes & Son	Bloomington	W. N. Barnard	do	"Sure Lay" Poultry Mash.
M 12	B. F. Hoopes & Son	do	American Milling Co	do	"Tig-Top" Chick Feed.
M 103	Aurora City Mills	do	do	do	do
M 51	J. F. Humphreys & Co.	Aurora	Aurora City Mills	Aurora	"Western Star" Poultry Food
M 5	M. Schipper	Centralia	J. F. Humphreys & Co.	Bloomington	"Wish-bone" Poultry Feed
P 28	Davis Stock Food Co.	Blue Island	G. E. Conkey Co.	Cleveland, Ohio.	Poultry Tonic
P 4	M. Schipper	Chicago	Davis Stock Food Co.	Chicago	Davis Poultry Tonic.
P 17	Rothschild & Co.	Blue Island	Pratt Food Co.	Chicago	Poultry Regulator.
K 122	W. W. Joachims	Belmont	Hen-E-Ta Bone Co.	Flemington, W. Va.	Bone Grit.
P 27	Davis Stock Food Co.	Chicago	Columbia Chemical Works.	do	Mixed Canary Bird Seed
P 52	Siegel, Cooper & Co.	do	Davis Stock Food Co.	Chicago	Stock Food Tonic
P 69	Roselle Mill & Lumber Co	Roselle	Albert Dickinson Co.	do	Colonial Developing Feed
P 50	Vaughn's Seed Store	Chicago	Standard Stock Food Co.	Omaha, Neb.	Standard Horse and Cattle Regulator
M 7	J. W. Harris	Mattoon	A. Dickinson Co	East St. Louis	Alfalfa Meal
M 71	F. Nissen	Chicago	Golden Grain Milling Co.	Central City, Neb.	"Golden Grain" Alfalfa Molasses Feed
P 72	Bernard Praetzel	do	T. B. Hord Alfalfa Meal Co.	do	A. M. Brand
P 80	J. Meyers	do	Fred E. Jahn & Co.	Chicago	"King Corn" Molasses Feed.
P 34	Central Illinois Grain Co.	Springfield	Kornalfa Feed Milling Co	Minneapolis, Minn.	Alfalfa Molasses Feed.
P 32	Joseph Keim	Chicago	M. C. Peters Milling Co	Omaha, Neb.	Peters' Economy Feed
M 75	Capital City Feed Co.	Springfield	Ralston Purina Co.	St. Louis, Mo.	Purina Sweet Feed
M 77	Jos. Schneberger Co.	Chicago	Wash. Co. Alfalfa M. F. & Milling Co.	St. Cathoun, Neb.	Alfalfa Green
M 54	H. E. Overholt	Danville	American Milling Co.	Peoria	Molasses Fat Maker
M 5	H. P. Steinspring	Urbana	J. S. Ashbrook & Co.	Mattoon	"Peerless" Horse Ration
M 8	J. S. Ashbrook	Mattoon	do	do	"Royal" Grain Feed.
P 9	J. S. Ashbrook	do	do	do	"Peerless" Cow Feed.

No.	Representation.	Chicago.	J. J. Badenoch Co.	Chicago.	Curved Neck."
N 43	OT. Sernattinger.	Mattoon.	Big Four Elevator Co.	Mattoon.	"Big 4"
P 73	Big Four Elevator Co.	do.	do.	do.	do.
P 75	W. J. Byrnes & Co.	Chicago.	W. J. Byrnes & Co.	Chicago.	Banner" Horse Feed
K 182	Shultz Seed Co.	Olney.	Dixie Mills Co.	East St. Louis.	Diamond"
K 2	Champaign Seed Co.	Champaign.	Edwards & Loomis.	Chicago.	Pioneer Feed Co.
K 120	Montgomery & Huffman.	Noble.	F. W. Goetze & Co.	St. Louis, Mo.	Holstein" Molasses Feed
M 4	J. W. Harris.	Mattoon.	Golden Grain Milling Co.	East St. Louis.	"Golden Grain" Horse and Mule Feed
M 30	E. E. Lilly & Son.	Decatur.	H. H. Hanks Co.	Chicago.	"Kingfalfa" Horse Feed
M 84	Calumet Feed Co.	Chicago.	do.	do.	do.
P 36	Chrisanthos Bros.	do.	do.	do.	do.
P 44	F. T. McKee & Son.	Streator.	International Sugar Feed Co.	Minneapolis, Minn.	International" Dairy Feed
M 22	Barackman Feed Co.	do.	do.	do.	do.
M 23	Barackman Feed Co.	Centralla.	do.	do.	do.
M 49	S. H. Jonas & Co.	do.	Omaha Alfalfa Milling Co.	Omaha, Neb.	"Dan Patch" Dairy Feed
M 72	A. Kittinghouse.	Chicago.	Quaker Oats Co.	Chicago.	"Peerless" Alfalfa Horse Feed
M 73	S. Kapelonitz.	do.	do.	do.	Schumaker Special"
Q 7	Nick Grimberg.	do.	do.	do.	do.
Q 4	Keelin Bros. & Co.	Carbondale.	Ralston Purina Co.	St. Louis, Mo.	"Sweet Green" Horse Feed.
M 47	Sam Anderson.	Springfield.	Steinmesch Feed Co.	do.	"Protensa" Dairy Feed
M 72	W. R. West.	Chicago.	Wash. Co. Alfalfa M. F. & Milling Co.	Ft. Calhoun, Neb.	Steinmesch Mixed-Feed
P 20	H. R. Root.	do.	do.	do.	Butler's Special Alfalfa Feed
P 20	M. Velick.	do.	do.	do.	Alfalfa Horse Feed
P 69	Milbrath Bros. Feed Store.	South Chicago.	do.	do.	Butler's Special Alfalfa Feed
P 24	P. J. Hatzler.	Streator.	Chicago Heights Oil Manufacturing Co.	Chicago.	Butler's Special Alfalfa Feed
N 55	J. McAdam.	Danville.	do.	Chicago Heights.	Prize Cooked Hog Feed
N 7	G. N. Vail.	Chicago.	do.	do.	do.
N 30	H. J. Fenowille.	Kankakee.	Republic Milling Co.	St. Louis, Mo.	Republic Sugar Feed.
P 31	Joseph Keim.	Chicago.	M. C. Peters Milling Co.	Omaha, Neb.	"King Corn" Sugar Feed.
M 85	G. E. Franzen.	Bensenville.	American Milling Co.	Peoria.	"Tip Top" Sugar Feed.

LEGAL STOCK FOODS—Continued.

No.	Representation.	Crude fat.		Crude protein.		Crude fiber.		License fee paid.	Remarks.
		Guar- antee per cent.	Found per cent.	Guar- antee per cent.	Found per cent.	Guar- antee per cent.	Found per cent.		
N 10	Pure wheat bran.							No license required.	Microscopically pure wheat bran.
P 24	Pure wheat bran.							No license required.	Microscopically pure wheat bran.
N 3	Wheat bran with ground screenings.	3.60	4.70	13.20	13.00	11.80	12.00	Yes.	Microscopically pure wheat bran.
N 11	Pure wheat bran.							No license required.	Microscopically pure wheat bran.

LEGAL STOCK FOODS—Continued.

No.	Representation.	Crude fat.		Crude protein.		Crude fiber.		License fee paid.	Remarks.
		Guar- antee per cent.	Found per cent.	Guar- antee per cent.	Found per cent.	Guar- antee per cent.	Found per cent.		
K 112	Pure wheat bran.							No license required.	Microscopically pure wheat bran.
M 74	Pure wheat bran.							No license required.	Microscopically pure wheat bran.
P 65	Pure wheat bran.							No license required.	Microscopically pure wheat bran.
P 78	Pure wheat bran.							No license required.	Microscopically pure wheat bran.
K 57	Pure wheat bran.							No license required.	Microscopically pure wheat bran.
P 77	Pure wheat bran.							No license required.	Microscopically pure wheat bran.
M 108	Wheat bran and ground screenings.	3.70	5.35	14.00	14.57	11.80	11.90	Yes.	Microscopically pure wheat bran.
R 6	Wheat bran and ground screenings.	4.00	4.99	15.00	14.37	11.00	11.12	Yes.	Microscopically pure wheat bran.
R 8	Wheat bran and ground screenings.	4.10	4.96	15.60	15.42	11.80	11.10	Yes.	Microscopically pure wheat bran.
R 7	Wheat bran and ground screenings.	4.00	4.99	15.00	15.37	11.50	10.55	Yes.	Microscopically pure wheat bran.
Q 6	Wheat bran and ground screenings.	4.00	5.20	15.00	14.77	11.00	10.05	Yes.	Microscopically pure wheat bran.
R 22	Wheat bran and ground screenings.	4.00	5.20	15.00	15.20	11.00	10.55	Yes.	Microscopically pure wheat bran.
R 80	Wheat bran and ground screenings.	4.00	5.40	15.00	14.50	10.00	13.00	Yes.	Microscopically pure wheat bran.
M 100	Wheat bran and ground screenings.	3.50	5.19	14.00	14.98	10.00	8.56	Yes.	Microscopically pure wheat bran.
P 21	Wheat bran and ground screenings.	4.80	5.58	15.00	15.27	11.80	10.45	Yes.	Microscopically pure wheat bran.
N 9	Wheat bran and ground screenings.	4.75	5.15	14.60	16.43	11.00	10.75	Yes.	Microscopically pure wheat bran.
R 56	Wheat bran and ground screenings.	3.06	5.02	14.18	18.30	11.00	9.23	Yes.	Microscopically pure wheat bran.
R 58	Wheat bran and ground screenings.	4.00	4.00	15.00	15.00	10.00	9.70	Yes.	Microscopically pure wheat bran.
N 18	Wheat bran and ground screenings.								
M 73	Wheat bran and ground screenings.	4.00	5.50	14.00	15.00	10.00	10.90	Yes.	Sample too small for analysis.
P 64	Wheat bran and ground screenings.	5.00	5.00	14.00	15.00	10.00	10.00	Yes.	
M 81	Wheat middlings and screenings.	5.00	6.53	17.00	16.88	8.00	8.34	Yes.	
M 107	Pure wheat middlings.							No license required.	Microscopically pure wheat middlings.
K 83	Pure wheat middlings.							No license required.	Microscopically pure wheat middlings.
Q 44	Pure wheat middlings.							No license required.	Microscopically pure wheat middlings.
R 33	Pure wheat middlings.							No license required.	Microscopically pure wheat middlings.
M 65	Pure wheat middlings.							No license required.	Microscopically pure wheat middlings.
K 185	Wheat middlings and screenings.	3.50	4.70	16.00	18.48	5.50	4.71	Yes.	Microscopically pure wheat middlings.
R 17	Wheat middlings and screenings.	4.50	4.95	16.00	45.94	8.00	7.59	Yes.	Microscopically pure wheat middlings.
M 59	Wheat middlings and screenings.	4.00	4.40	14.00	15.00	7.00	7.50	Yes.	Microscopically pure wheat middlings.
R 14	Wheat middlings and screenings.	4.40	5.67	15.20	15.24	7.40	7.30	Yes.	Microscopically pure wheat middlings.
R 15	Wheat middlings and screenings.	4.90	5.98	17.30	16.16	7.20	5.58	Yes.	Microscopically pure wheat middlings.
Q 28	Wheat middlings and screenings.	3.00	6.90	15.00	18.10	10.00	7.28	Yes.	Microscopically pure wheat middlings.
R 96	Wheat middlings and screenings.	2.50	3.97	15.00	15.10	7.00	3.66	Yes.	Microscopically pure wheat middlings.
P 20	Wheat middlings and screenings.	4.50	5.85	16.50	18.44	8.00	6.81	Yes.	Microscopically pure wheat middlings.
R 21	Wheat middlings and screenings.	5.00	5.46	16.50	17.83	6.00	6.72	Yes.	Microscopically pure wheat middlings.
Q 12	Wheat middlings and screenings.	5.15	5.49	16.00	17.10	7.60	6.78	Yes.	Microscopically pure wheat middlings.
P 101	Wheat middlings and screenings.	4.00	6.38	16.00	17.63	7.00	5.88	Yes.	Microscopically pure wheat middlings.
R 24	Wheat middlings and screenings.	3.80	5.12	14.25	17.52	5.35	7.05	Yes.	Microscopically pure wheat middlings.

Sample too small for analysis.

K	130	Wheat middlings and screenings.	3.00	5.76	14.00	14.45	8.00	5.88	Yes
M	131	Wheat middlings and screenings.	4.50	6.75	15.50	17.19	6.00	6.70	Yes
R	132	Wheat middlings and screenings.	5.50	6.25	15.50	17.42	6.00	6.30	Yes
K	133	Wheat middlings and screenings.	4.00	4.51	17.00	18.60	8.50	5.38	Yes
R	134	Wheat middlings and screenings.	4.90	5.19	17.20	16.08	9.40	8.71	Yes
M	135	Wheat middlings and screenings.	4.00	5.30	15.00	16.10	8.00	9.70	Yes
N	136	Wheat middlings and screenings.	5.00	6.20	17.00	16.90	6.50	7.00	Yes
K	137	Bran and middlings and screenings.	4.00	4.84	14.50	16.98	9.50	7.58	Yes
K	138	Bran and middlings and screenings.	4.00	4.77	16.50	16.72	9.00	8.43	Yes
N	139	Bran and middlings and screenings.	4.00	4.80	14.00	15.00	11.00	10.00	Yes
M	140	Pure rye middlings.	3.00	4.50	14.00	15.00	6.00	6.40	Yes
M	141	Corn oil cake meal.	5.00	10.17	16.00	18.41	6.00	4.58	Yes
M	142	Corn oil cake meal, hulls and bran	5.00	5.08	20.00	23.40	22.00	22.00	Yes
M	143	Cotton seed meal.	8.00	7.71	40 to 41	39.40	10.00	10.50	Yes
P	144	Linseed meal.	6.00	7.07	34.00	33.85	9.00	8.13	Yes
P	145	Linseed meal.	6.00	7.95	32.00	31.30	11.00	9.02	Yes
M	146	Old process linseed meal.	6.00	7.43	32.00	34.20	10.00	8.65	Yes
P	147	Linseed meal and cereals.	6.00	9.54	25.00	25.21	12.00	10.71	Yes
P	148	Flaxseed products.	6 to 8	7.11	30 to 34	29.68	6 to 10	9.86	Yes
P	149	Flaxseed and field seeds.	6 to 10	8.90	25 to 26	26.00	7 to 12	10.00	Yes
P	150	Linseed cake.	32 to 36	7.54	...	32.72	...	8.58	Yes
P	151	Ground flaxseed.	34.55	24 to 26	26.00	26.00	5 to 8	6.67	Yes
P	152	Ground flaxseed.	32 to 36	35.90	24 to 26	21.50	5 to 8	6.36	Yes
R	153	Dried distillers' grains.	11.00	11.79	30.00	32.64	14.00	13.60	Yes
M	154	Brewers' dried grains.	5.00	6.90	26.00	27.00	17.00	14.00	Yes
M	155	Hominy feed.	4.00	5.50	9.00	10.20	4.00	4.50	Yes
P	156	Gluten meal.	2.00	2.50	23.00	23.00	8.50	6.70	Yes
M	157	Corn and oats chop feed	5.00	4.65	7.00	11.80	11.00	4.68	Yes
M	158	Ground whole corn and oats	...	...	...	...	...	No license required.	
M	159	Meat trimmings.	.50	8.46	25.00	73.06	3.00	1.34	Yes
P	160	Meat scraps.	5 to 1	7.83	55.00	60.00	3.00	2.49	Yes
P	161	Mixed cereals poultry feed.	8.00	13.35	50.00	52.53	3.00	1.83	Yes
M	162	Mixed cereals poultry feed.	5.00	6.30	13.00	13.40	8.00	9.15	Yes
M	163	Mixed cereals poultry feed.	2.50	3.69	9.50	11.09	5.00	4.07	Yes
M	164	Mixed cereals poultry feed.	2.50	3.99	10.00	12.03	5.00	3.83	Yes
K	165	Mixed cereals poultry feed.	3.50	3.41	10.00	11.35	5.00	2.20	Yes
M	166	Mixed cereals poultry feed.	3.00	3.90	10.00	12.00	3.20	2.46	Yes
P	167	Mixed cereal poultry feed.	...	3.76	...	11.37	...	3.50	Yes
P	168	Mixed cereal poultry feed.	3.00	3.30	10.00	11.50	...	2.15	Yes
P	169	Mixed cereal poultry feed.	3.50	5.09	18.00	18.00	12.00	10.90	Yes
P	170	Skimmed milk product.	1.00	1.50	50.00	52.00	0.50	0.19	Yes
M	171	Mixed cereal poultry feed.	3.01	3.72	9.08	10.50	4.06	4.00	Yes
M	172	Mixed cereal poultry feed.	3.00	3.11	10.00	10.00	4.00	2.59	Yes
P	173	Mixed cereal poultry feed.	2.50	2.91	10.00	10.52	5.00	2.92	Yes
P	174	Mixed cereal poultry feed.	2.50	2.90	10.00	10.00	5.00	3.20	Yes
P	175	Mixed cereal poultry feed.	2 to 5	3.67	10.00	12.25	5.00	3.04	Yes
P	176	Mixed cereal poultry feed.	2 to 5	2.86	10.00	11.90	5.00	3.42	Yes
P	177	Mixed cereal poultry feed.	3.00	3.56	10.00	11.80	8.00	8.00	Yes
M	178	Mixed cereal poultry feed.	3 to 4	5.22	12 to 13	11.81	4 to 5	4.45	Yes

LEGAL STOCK FOODS—Concluded.

No.	Representation.	Crude fat.		Crude Protein.		Crude fiber.		License fee paid.	Remarks.
		Guar- antee per cent.	Found per cent.	Guar- antee per cent.	Found per cent.	Guar- antee per cent.	Found per cent.		
M 60	Mixed cereal poultry feed.....	3.00	4.00	12.00	14.00	4.00	6.00	Yes.....	
P 23	Mixed cereal poultry feed.....	3.00	3.70	12.00	14.00	5.00	4.59	Yes.....	
M 18	Mixed cereal poultry feed.....	2.50	4.22	13.12	13.12	4.50	3.90	Yes.....	
P 13	Mixed cereal poultry feed.....	3.50	4.10	9.50	10.70	3.50	3.07	Yes.....	
M 50	Mixed cereal poultry feed.....	3.50	4.15	10.00	11.20	5.00	3.08	Yes.....	
M 38	Mixed cereal poultry feed.....	2 to 3	3.60	10 to 12	10.90	5.00	4.30	Yes.....	
M 48	Mixed cereal poultry feed.....	2.50	3.60	9.50	11.15	5.00	4.80	Yes.....	
M 88	Mixed cereal poultry feed.....	2.50	3.46	9.50	10.41	5.00	4.22	Yes.....	
M 38	Mixed cereal poultry feed.....	2.50	4.50	10.00	10.30	5.00	3.10	Yes.....	
M 4	Mixed cereal poultry feed.....	3.00	3.76	10.00	10.96	6.00	2.72	Yes.....	
P 35	Mixed cereal poultry feed.....	2.50	3.90	9.50	13.47	5.00	4.45	Yes.....	
M 56	Mixed cereal poultry feed.....	2.50	2.70	11.80	9.50	4.00	5.00	Yes.....	
M 48	Mixed cereal poultry feed.....	2.40	4.08	10.75	11.60	1.98	3.50	Yes.....	
P 23	Mixed cereal poultry feed.....	3.00	5.30	17.00	18.00	9.00	8.84	Yes.....	
P 49	Mixed cereal poultry feed.....	3.00	3.01	17.00	20.00	9.00	8.90	Yes.....	
P 41	Mixed cereal poultry feed.....	3.00	4.70	10.00	11.00	5.00	5.00	Yes.....	
M 48	Mixed cereal poultry feed.....	3.00	4.32	10.00	10.90	5.00	5.12	Yes.....	
M 61	Mixed cereal poultry feed.....	2.80	2.60	11.70	11.00	2.40	3.20	Yes.....	
M 43	Mixed cereal poultry feed.....	2.50	4.08	10.00	9.20	5.00	3.47	Yes.....	
M 53	Mixed cereal poultry feed.....	2 to 5	3.20	10.00	10.50	5.00	3.25	Yes.....	
P 25	Mixed cereal poultry feed.....	2 to 5	3.75	10.00	10.90	5.00	3.25	Yes.....	
M 13	Mixed cereal poultry feed.....	4 to 6	5.03	16 to 17	17.00	5 to 6	6.81	Yes.....	
M 103	Mixed cereal poultry feed.....	2.50	3.50	10.00	10.06	5.00	3.75	Yes.....	
M 103	Mixed cereal poultry feed.....	2.50	4.72	10.00	11.15	4.50	5.02	Yes.....	
M 51	Mixed cereal poultry feed.....	2.50	2.90	7.00	10.54	3.25	2.94	Yes.....	
P 5	Condimental poultry tonic.....	2.50	4.30	10.00	10.90	5.00	3.40	Yes.....	
P 28	Condimental tonic.....	.....	.....	.....	.....	.....	.....	No license required.	No cereals present.
P 17	Bone grit.....	.....	.....	.....	.....	.....	.....	No license required.	Not a cereal product.
P 123	Seeds product.....	.....	.....	.....	.....	.....	.....	No license required.	Not a cereal product.
P 27	Condimental tonic.....	.....	.....	.....	.....	.....	.....	No license required.	Not a cereal product.
P 53	Mixed cereal feed.....	.....	.....	.....	.....	.....	.....	No license required.	Not a cereal product.
P 69	Condimental stock food.....	2 to 5	3.20	10.00	11.50	5.00	2.76	Yes.....	Not a cereal product.
P 50	Alfalfa meal.....	1.00	2.90	12.00	12.20	3.50	3.70	Yes.....	Not a cereal product.
M 71	Alfalfa and molasses feed.....	1.00	2.40	11.00	15.00	25.00	15.00	Yes.....	Not a cereal product.
M 71	Alfalfa and molasses feed.....	1.00	1.88	10.00	8.44	20.00	17.52	Yes.....	Not a cereal product.
P 72	Alfalfa and molasses feed.....	1.00	1.73	10.00	9.14	20.00	16.70	Yes.....	Not a cereal product.
P 80	Corn, oats, alfalfa and molasses.....	1.33	2.90	9.00	11.37	18.00	15.05	Yes.....	Not a cereal product.

M	34	Alfalfa and molasses	1.00	1.00	9.00	10.00	15.00	15.00	Yes
P	35	Alfalfa and molasses	0.50	1.88	8.00	13.00	28.00	11.00	Yes
M	36	Grain, alfalfa and molasses	1.02	2.00	10.07	11.00	18.00	15.70	Yes
M	37	Alfalfa and molasses	0.50	1.70	10.00	11.00	25.00	16.00	Yes
M	38	Flax seed, oats and molasses	4.50	6.40	10.00	11.15	15.00	16.89	Yes
M	39	Corn, oats, alfalfa and molasses	3.50	3.43	10.00	10.98	12.00	8.97	Yes
M	40	Mixed crushed cereals	3.00	4.08	10.00	11.00	7.00	5.07	Yes
M	41	Mixed cereals and molasses	1.50	3.00	14.00	11.00	12.00	12.00	Yes
N	42	Crushed corn and oats	.....	6.00	.....	10.60	.....	8.24	Yes
Q	43	Crushed corn and oats	8 to 5	4.50	10 to 12	9.81	5 to 9	4.47	Yes
Q	44	Corn, oats, alfalfa and molasses	3 to 5	3.91	10 to 12	9.93	6 to 10	7.85	Yes
P	45	Mixed cereals	3.00	4.65	10.00	10.10	8.00	6.37	Yes
K	46	Mixed cereals and molasses	1.50	3.66	9.00	9.00	12.00	12.02	Yes
K	47	Mixed cereals	2.50	4.36	7.50	7.98	8.00	7.75	Yes
K	48	Mixed cereals and molasses	3.00	5.32	15.00	15.90	15.00	10.20	Yes
M	49	Mixed cereals and molasses	2.00	3.48	10.00	11.80	12.00	12.90	Yes
M	50	Corn, alfalfa and molasses	2.00	3.00	9.00	11.00	15.00	12.00	Yes
M	51	Corn, alfalfa and molasses	2.00	4.12	9.00	10.28	15.00	10.78	Yes
P	52	Corn, alfalfa and molasses	2.00	3.10	9.00	11.37	15.00	10.50	Yes
P	53	Corn, alfalfa and molasses	2.00	2.41	9.00	12.80	15.00	14.50	Yes
M	54	Mixed cereals and molasses	3.50	6.50	18.00	16.90	12.00	13.35	Yes
M	55	Mixed cereals and molasses	3.50	5.48	15.00	15.44	12.00	12.00	Yes
M	56	Mixed cereals and molasses	3.00	4.10	9.00	11.50	15.00	16.10	Yes
M	57	Corn, oats, alfalfa and molasses	2.00	2.30	10.00	10.00	12.00	15.00	Yes
M	58	Mixed crushed cereals	3.25	4.00	9.25	9.20	8.00	9.80	Yes
P	59	Mixed crushed cereals	3.25	4.03	9.00	10.13	8.00	8.77	Yes
P	60	Mixed cereals and molasses	3.00	3.47	10.00	10.41	10.00	10.00	Yes
M	61	Mixed cereals and molasses	3.50	4.90	16.05	14.00	12.00	12.00	Yes
M	62	Mixed cereals	3.50	3.60	10.00	10.00	6.00	4.30	Yes
M	63	Mixed cereals and molasses	2.00	2.00	10.00	11.00	15.00	11.00	Yes
M	64	Mixed cereals and molasses	2.00	1.64	10.00	10.00	15.00	17.34	Yes
P	65	Mixed cereals and molasses	2.00	2.00	10.00	11.80	16.00	11.00	Yes
P	66	Mixed cereals and seeds	5.00	5.00	25.00	24.00	6.00	6.00	Yes
N	67	Corn and flax seed products	7 to 10	10.60	10 to 15	17.60	13 to 20	11.60	Yes
N	68	Corn and flax seed products	7 to 10	8.46	15 to 20	18.11	10 to 15	12.89	Yes
N	69	Sugar feed	3.00	8.40	16.50	17.00	12.00	15.00	Yes
P	70	Corn, oats, alfalfa and molasses	1.50	3.00	9.00	12.00	18.00	13.20	Yes
M	71	Mixed cereals and molasses	2.50	5.51	12.00	13.34	12.00	12.66	Yes

CLASSIFIED LIST OF STOCK FOOD REGISTERED DURING THE YEAR 1914.

Bran, Middlings, Shorts and Mixed Mill Feeds.....	217
Hog, Horse and Cattle Feeds.....	198
Poultry, Pigeon and Chick Feed.....	236
Brewers' Grains and Malt Sprouts.....	101
Hominy Feeds, Gluten Feeds, etc.....	29
Cottonseed Meal and Cake.....	26
Linseed Meal and Cake.....	18
Alfalfa Meal.....	12
Tankage, Meat Products and Poultry Bone.....	36
Medicinal Stock Foods.....	51
Medicinal Poultry Foods.....	23

LIST OF MANUFACTURERS, JOBBERS OR DEALERS IN CON- CENTRATED COMMERCIAL FEED STUFFS WHO HAVE PAID LICENSE FEES FOR THE YEAR 1914.

BRAN, MIDDLINGS, SHORTS AND MIXED MILL FEEDS.

Brand.	Manufacturer or jobber.	Address.
Wheat Bran.....	Crystal Milling Co.....	Lake Crystal, Minn.
Wheat Bran.....	C. S. Christensen Co.....	Madelia, Minn.
Jersey Bran and Screenings.....	Geo. C. Christian and Co.....	Minneapolis, Minn.
Wheat Bran with Ground Screen- ings not to exceed Mill Run.....	Crescent Milling Co.....	Fairfax, Minn.
Pure Wheat Bran, etc.....	Dean Mill Co.....	Ava, Ill.
Bran with Ground Screenings, etc.....	Eagle Roller Mill Co.....	New Ulm, Minn.
Eclipse Wheat Bran, etc.....	Elysian Milling Co.....	Janesville, Minn.
Bran, etc.....	B. A. Eckhart Milling Co.....	Chicago, Ill.
Flaky Bran, etc.....	Hubbard Milling Co.....	Mankato, Minn.
Wheat Bran, etc.....	Jennison Bros. Co.....	Janesville, Minn.
Wheat Bran, etc.....	W. J. Jennison Co.....	Minneapolis, Minn.
King Soft Wheat Bran, etc.....	M. D. King Milling Co., Inc.....	Pittsfield, Ill.
Wheat Bran, etc.....	Koenigsmark Mill Co.....	Waterloo, Ill.
Wheat Bran & Wheat Screenings, etc.....	K. B. R. Milling Co.....	Marquette, Kans.
Eagle Bran, etc.....	John B. A. Kern and Sons.....	Milwaukee, Wis.
Anchor Bran with Ground Wheat Screenings, etc.....	Kemper Mill and Elevator Co.....	Kansas City, Mo.
Wheat Bran & Wheat Screenings, etc.....	Kelley Milling Co.....	Kansas City, Mo.
Wheat Bran, etc.....	The Larabee Flour Mills Co.....	Hutchinson, Kan.
Rice Bran-Mill Run.....	Louisiana State Rice Milling Co.....	New Orleans, La.
Wheat Bran, etc.....	Maney Milling Co.....	Omaha, Neb.
Bran with Mill Run, etc.....	Marshall Milling Co.....	Marshall, Minn.
Wheat Bran with Mill Run, etc.....	H. E. McEachron Co.....	Wausau, Wis.
Corn Bran.....	Northwestern Yeast Co.....	Chicago, Ill.
Seal of Minnesota Wheat Bran with Ground Screenings, etc.....	New Prague Flouring Mill Co.....	New Prague, Minn.
Pillsbury's Wheat Bran, etc.....	Pillsbury Flour Mills Co.....	Minneapolis, Minn.
Winter Wheat Bran with, etc.....	Pinckneyville Milling Co.....	Pinckneyville, Ill.
Reliance Wheat Bran, etc.....	Reliance Milling Co.....	Murphysboro, Ill.
Bran and Screenings.....	The Russell Milling Co.....	Russell, Kan.
Randolph Bran, etc.....	Randolph Milling Co.....	Baldwin, Ill.
Fancy Broadflake Wheat Bran, etc.....	Sheffield-King Milling Co.....	Minneapolis, Minn.
Wheat Bran with Screenings, etc.....	Standard-Tilton Milling Co.....	St. Louis, Mo.
Star and Crescent Bran, etc.....	Star and Crescent Milling Co.....	Chicago, Ill.
Winter Wheat Bran with, etc.....	Sauers Milling Co.....	Evansville, Ill.
Pure Wheat Bran.....	W. H. Stokes Milling Co.....	Watertown, S. D.
Bran.....	Springfield Milling Co.....	Springfield, Minn.
Wheat Bran with Ground, etc.....	Southern Ill. Mfg. and Elevator Co.....	Murphysboro, Ill.
Try Me Bran, etc.....	Sparks Milling Co.....	Alton, Ill.
Steeleville Mfg. Co. Bran, etc.....	Steeleville Milling Co.....	Steeleville, Ill.

BRAN, MIDDINGS, SHORTS AND MIXED MILL FEEDS—Continued.

Brand.	Manufacturer or jobber.	Address.
Wheat Bran and Screenings	The Shellabarger Mill and Elevator Co.	Salina, Kan.
Wheat Bran with Ground, etc.	Union Roller Milling Co.	Pocahontas, Ill.
Wheat Bran & Corn Bran, etc.	Union Roller Milling Co.	Pocahontas, Ill.
Wheat Bran, etc.	Union County Milling Co.	Jonesboro, Ill.
Wheat Bran with Ground, etc.	Washburn-Crosby Co.	Minneapolis, Minn.
Black Hawk Bran, etc.	Western Flour Mill Co.	Davenport, Ia.
Wheat Bran, etc.	Waterloo and Cedar Falls Union Mill Co.	Waterloo, Ia.
Bran, etc.	Buena Vista Milling Co.	Chester, Ill.
Wheat Bran, etc.	William C. Crocker.	Minneapolis, Minn.
Wheat Bran, etc.	Carbondale Mill and Elevator Co.	Carbondale, Ill.
Illinois Wheat Bran, etc.	Tuegely Milling Co.	Nashville, Ill.
Wheat Bran, etc.	Tennant and Hoyt Co.	Lake City, Minn.
Eaco Wheat Bran, etc.	Everett Aughenbaugh and Co.	Waseco, Minn.
Valter's Wheat Bran.	Valter and Spies Milling Co.	St. Louis, Mo.
Emco Bran.	John H. Eberling Milling Co.	Green Bay, Wis.
Wheat Bran, etc.	National Feed Co.	St. Louis, Mo.
Butter Cup Bran.	Charles Tiedeman Milling Co.	O'Fallon, Ill.
A-Milk-O Bran, etc.	Ariston Milling Co.	Ariston, Ill.
Wheat Bran.	Golconda Roller Mill.	Golconda, Ill.
Wheat Bran.	Zillak and Schafer Milling Co.	Haubstadt, Ind.
Wheat Bran.	Aurora City Mills.	Aurora, Ill.
Wheat Bran, etc.	Geo. P. Plant Milling Co.	St. Louis, Mo.
Wheat Bran, etc.	Don Seyer, Gardner Co.	Peoria, Ill.
Bran.	The Southwestern Milling Co.	Kansas City, Mo.
Bran.	Zenith Milling Co.	Kansas City, Mo.
Wheat Bran and Screenings	Security Flour Mills Co.	Billene, Kas.
Wheat Bran.	Phenix Milling Co.	Davenport, Ia.
Feedwell Bran.	Wells Flouring Milling Co.	Wells, Minn.
Wheat Bran and Screenings.	Willis Norton & Co.	Topeka, Kan.
Wheat Bran & Screenings.	The Lee-Warren Milling Co.	Salina, Kan.
Wheat Bran & Screenings, etc.	The Kansas Flour Mills Co.	Wichita, Kan.
Wheat Bran.	Bluff City Mill & Elevator Co.	Mt. Carmel, Ill.
Corn Bran.	Engelke & Felner Milling Co.	St. Louis, Mo.
Wheat Bran.	Red Wing Consolidated Milling Co.	Fresmont, Neb.
Wheat Bran.	Bernet, Craft & Kauffman Milling Co.	St. Louis, Mo.
Wheat Bran.	Uplike Milling Co.	Omaha, Neb.
Wheat Bran.	Curtis Milling Co.	Alto Pass, Ill.
Mixed Bran.	Hastings Milling Co.	Hastings, Neb.
Wheat Bran.	Highland Milling Co.	Highland, Ill.
Wheat Bran, etc.	Siemer Milling Co.	Teutopolis, Ill.
Wheat Bran.	John Marvin.	Marshall, Ill.
Wheat Bran.	Rogers & Cooper.	Martinsville, Ill.
Wheat Bran.	Advance Milling & Elevator Co.	Carrollton, Ill.
Wheat Bran, etc.	Donahue-Stratton Co.	Milwaukee, Wis.
Phenix Wheat Bran.	John G. Gaddis' Sons.	Fairfield, Ill.
Wheat Bran.	Central Roller Mills.	Cobden, Ill.
Wheat Bran, etc.	Hezel Milling Co.	East St. Louis, Ill.
Percy Bran.	Henry Hahn & Bro.	Percy, Ill.
Bran and Scourings	Purity Milling Co.	Manhattan, Kan.
Wheat Bran.	Benton Peerless Mills.	Benton, Ill.
Wheat Bran.	Neibauer & Company.	Dongola, Ill.
Wheat Bran.	Wright Roller Mill.	Dongola, Ill.
Wheat Bran.	The Blake Milling Co.	Edwardsville, Ill.
Screenings Bran.	H. C. Cole Milling Co.	Chester, Ill.
Wheat Bran, etc.	Home Mill and Grain Co.	Mt. Vernon, Ind.
Oxford Wheat Bran.	Geo. P. Bowman & Sons.	Grayville, Ill.
Wheat Bran.	Christopher Milling Co.	Christopher, Ill.
Wheat Bran.	Hock Bros.	Greenfield, Ill.
Soft Wheat Bran.	A. J. Keiser Flour Mills.	Mt. Olive, Ill.
Kinmundy Wheat Bran.	Kinmundy Milling Co.	Kinmundy, Ill.
Wheat Bran & Screenings.	Carlyle Milling Co.	Carlyle, Ill.
Diploma Bran.	Camp Spring Mill Co.	Nashville, Ill.
Wheat Bran.	Jefferson Milling Co.	Mt. Vernon, Ill.
Wheat Bran & Corn Bran.	Kaiser Bros.	Centralia, Ill.
Wheat Bran.	Norris City Mills.	Norris City, Ill.
Wheat Bran.	Campbell Milling Co.	Carmi, Ill.
Wheat Bran.	Pike Milling Co.	Griggsville, Ill.
Wheat Bran.	DuBois Milling Co.	DuBois, Ill.
Wheat Bran.	Litchfield Mill & Elevator Co.	Litchfield, Ill.
Wheat Bran.	DuQuoin Mill Co.	DuQuoin, Ill.
Standard Wheat Middlings, etc.	Akin-Erskine Milling Co.	Evansville, Ind.
Eaco Wheat Middlings, etc.	Everett Aughenbaugh & Co.	Waseco, Minn.
Winona Wheat Middlings, etc.	Bay State Milling Co.	Winona, Minn.
Wheat Flour Middlings, etc.	William C. Crocker.	Minneapolis, Minn.
Wheat Standard Middlings, etc.	William C. Crocker.	Minneapolis, Minn.
Flour Middlings.	Crystal Milling Co.	Lake Crystal, Minn.
Standard Middlings.	Crystal Milling Co.	Lake Crystal, Minn.
Wheat Flour Middlings.	C. S. Christensen Co.	Madelia, Minn.
Wheat Middlings.	C. S. Christensen Co.	Madelia, Minn.
Poland Middlings and Screenings, etc.	George C. Christian & Co.	Minneapolis, Minn.

BRAN, MIDDINGS, SHORTS AND MIXED MILL FEEDS—Continued.

Brand.	Manufacturer or jobber.	Address.
Berkshire White Middlings and Screenings, etc.	George C. Christian & Co.	Minneapolis, Minn.
Pure wheat Middlings, etc.	Dean Mill Co.	Ava, Ill.
Wheat Middlings, etc.	Eagle Roller Mill Co.	New Ulm, Minn.
Eclipse Wheat Standard Middlings, etc.	Elysian Milling Co.	Janesville, Minn.
Middlings, etc.	B. A. Echart Milling Co.	Chicago, Ill.
Fine Standard Middlings, etc.	Hubbard Milling Co.	Mankato, Minn.
Wheat Middlings, etc.	Peter Haupt	New Athens, Ill.
Hard To Beat Middlings, etc.	Jennison Bros. Co.	Janesville, Minn.
Wheat Standard Middlings.	Jennison Bros. Co.	Janesville, Minn.
King Soft Wheat Middlings, etc.	M. D. King Milling Co. (Inc.)	Pittsfield, Ill.
Wheat Middlings, etc.	Koenigsmark Mill Co.	Waterloo, Ill.
Rex Wheat Middlings, etc.	Kehler Flour Mills Co.	St. Louis, Mo.
Illmo Flour Wheat Middlings, etc.	Kehler Flour Mills Co.	St. Louis, Mo.
Eagle Standard Middlings.	John B. A. Kern & Sons	Milwaukee, Wis.
Wheat and Rye Middlings, etc.	H. E. McEachron Co.	Wausau, Wis.
Wheat Standard Middlings, etc.	The Northwestern Consolidated Milling Co.	Minneapolis, Minn.
Orleans Flour Middlings.	The Northwestern Feed Co.	Minneapolis, Minn.
Snowflake Fancy Middlings.	The Northwestern Feed Co.	Minneapolis, Minn.
Pillsbury's Wheat Standard "B" Middlings, etc.	Pillsbury Flour Mills Co.	Minneapolis, Minn.
Pillsbury's Wheat "A" Middlings, etc.	Pillsbury Flour Mills Co.	Minneapolis, Minn.
Middlings, etc.	Pfeffer Milling Co.	Lebanon, Ill.
Reliance Wheat Middlings.	Reliance Milling Co.	Murphysboro, Ill.
Fairlybow Standard Middlings, etc.	Sheffield-King Milling Co.	Minneapolis, Minn.
Whitehope Middlings, etc.	Sheffield-King Milling Co.	Minneapolis, Minn.
Wheat Middlings.	Standard-Tilton Milling Co.	St. Louis, Mo.
Star and Crescent Middlings, etc.	Star and Crescent Milling Co.	Chicago, Ill.
Country Middlings, etc.	W. H. Sokes Milling Co.	Watertown, S. D.
Flour Middlings	Springfield Milling Co.	Springfield, Minn.
Sleepy Eye Standard Middlings, etc.	Sleepy Eye Flour Mills Co.	Minneapolis, Minn.
Wheat Flour Middlings	Washburn-Crosby Co.	Minneapolis, Minn.
Wheat Standard Middlings, etc.	Washburn-Crosby Co.	Minneapolis, Minn.
Rye Middlings	Washburn-Crosby Co.	Minneapolis, Minn.
Snow's Cream Flour Middlings	E. S. Woodworth & Co.	Minneapolis, Minn.
Snow's Fancy Flour Middlings	E. S. Woodworth & Co.	Minneapolis, Minn.
Wheat Flour Middlings, etc.	The Northwestern Consolidated Milling Co.	Minneapolis, Minn.
Atlas Wheat flour Middlings, etc.	Atlas Flour Mills.	Milwaukee, Wis.
Middlings, etc.	Trenton Milling Co.	Trenton, Ill.
Valier's Wheat Middlings.	Valier & Spies Milling Co.	St. Louis, Mo.
Wheat Middlings.	Cairo Milling Co.	Cairo, Ill.
Wheat Middlings, etc.	Geo. P. Plant Milling Co.	St. Louis, Mo.
Fancy white Middlings, etc.	The Southwestern Milling Co.	Kansas City, Mo.
Snowball Wheat White Middlings.	The Gardner Mills	Hastings, Minn.
Middlings, Wheat & Rye.	Aurora City Mills Co.	Aurora, Ill.
Plymouth Middlings	Plymouth Milling Co.	LeMars, Ia.
White Middlings & Screenings, etc.	The Kansas Flour Mills Co.	Wichita, Kan.
Sunbeam Middlings & Screenings.	Schultz-Baujan & Co.	Beardstown, Ill.
Full Value Middlings.	Charles Tiedemann Milling Co.	O'Fallon, Ill.
Wheat Middlings.	Rogers & Cooper.	Martinsville, Ill.
White Rye Middlings.	Northwestern Feed Company	Minneapolis, Minn.
Wheat Flour Middlings, etc.	W. J. Jennison Co.	Minneapolis, Minn.
Wheat Middlings.	John Marvin	Marshall, Ill.
Wheat Middlings.	Litchfield Mill & Elevator Co.	Litchfield, Ill.
Wheat Mixed Feed, etc.	William G. Crocker	Minneapolis, Minn.
Mixed Feed.	Carbondale Mill and Elevator Co.	Carbondale, Ill.
Red Dog Superb	Eagle Roller Mill Co.	New Ulm, Minn.
Wheat Shorts	K. B. R. Milling Co.	Marquette, Kans.
Wheat Shorts	The Larabee Flour Mills Co.	Hutchinson, Kans.
Mill Feed	Ledbetter Milling Co.	Elizabethtown, Ill.
Pure Wheat Shorts	Maney Milling Co.	Omaha, Neb.
Shorts	Marshall Milling Co.	Marshall, Minn.
Wheat Mixed Feed, etc.	The Northwestern Consolidated Milling Co.	Minneapolis, Minn.
Peru Oat Feed.	Northern Illinois Cereal Co.	Lockport, Ill.
Pillsbury's Fancy Mixed Feed, etc.	Pillsbury Flour Mills Co.	Minneapolis, Minn.
Winter Wheat Shorts, etc.	Pinckneyville Milling Co.	Pinckneyville, Ill.
Purity Oat Shorts	Purity Oats Co.	Keokuk, Ia.
Quante's Mixed Wheat Feed, etc.	Quante and Sielbeck	Metropolis, Ill.
Reliance Feed	Reliance Milling Co.	Murphysboro, Ill.
Reliance Mixed Feed.	Reliance Milling Co.	Murphysboro, Ill.
Shorts	The Russell Milling Co.	Russell, Kans.
Winter Wheat Shipstuff, etc.	Sauers Milling Co.	Evansville, Ill.
Wheat Mixed Feed.	Washburn-Crosby Co.	Minneapolis, Minn.
Screenings.	Wabasha Roller Mill Co.	Wabasha, Minn.
Mixed Feed	Willis and LaFont	Metropolis, Ill.
Rye Feed	Northwestern Yeast Co.	Chicago, Ill.
Mill Feed.	Excelsior Mill Co.	Yankton, S. D.
Valier's Mixed Feed	Valier & Spies Milling Co.	St. Louis, Mo.
Ziliak's Mixed Feed	Ziliak & Schafer Milling Co.	Haubstadt, Ind.

BRAN, MIDLINGS, SHORTS AND MIXED MILL FEEDS—Concluded.

Brand.	Manufacturer or jobber.	Address.
Brown Shorts.	The Southwestern Milling Co.	Kansas City, Mo.
Wheat Shorts & Screenings.	Willis Norton & Co.	Topeka, Kans.
Wheat Shorts & Screenings, etc.	The Kansas Flour Mills Co.	Wichita, Kans.
Mixed Feeds.	Mystic Milling Co.	Sioux City, Ia.
Kehlror Mill Feed.	Kehlror Flour Mills Co.	St. Louis, Mo.
Mixed Feed.	Bernet, Craft & Kauffman Milling Co.	St. Louis, Mo.
Mixed Shorts.	Hastings Milling Co.	Hastings, Neb.
Mixed Feed.	Colp-Arnold & Co.	Cartersville, Ill.
Woolcott Mixed Feed	Woolcott Milling Co.	Harrisburg, Ill.
Phenix Wheat Shorts.	John Gaddis' Sons.	Fairfield, Ill.
Kelley's Korker	Kelley Milling Co.	Kansas City, Mo.
Mixed Feed.	Atlas Mills & Elevator "A"	Vincennes, Ind.
Mixed Feed.	Harrisburg Mill & Elevator Co.	Harrisburg, Ill.
Mixed Feed.	New Burnside Mill.	New Burnside, Ill.
Mixed Feed.	Galatia Roller Mills	Galatia, Ill.
Mixed Feed.	Simpson Roller Mills.	Simpson, Ill.
Mill Feed.	United Cereal Mills, Ltd.	Quincy, Ill.
Mixed Feed.	Campbell Milling Co.	Carmi, Ill.
Mixed Feed.	Steeleville Milling Co.	Steeleville, Ill.
Mixed Feed.	Mulkeytown Mill Co.	Mulkeytown, Ill.
Mixed Feed.	Stonefort Mill & Elevator Co.	Stonefort, Ill.

HOG, HORSE AND CATTLE FEEDS.

Brand.	Manufacturer or jobber.	Address.
Tip Top Sugar Feed.	American Milling Co.	Peoria, Ill.
Mixing Feed.	American Milling Co.	Peoria, Ill.
Sucrene Horse and Mule Feed.	American Milling Co.	Peoria, Ill.
Sucrene Dairy Feed.	American Milling Co.	Peoria, Ill.
Molasses Fat Maker.	American Milling Co.	Peoria, Ill.
Peerless Horse Ration.	The J. S. Ashbrook Co.	Mattoon, Ill.
Royal Grain Feed.	The J. S. Ashbrook Co.	Mattoon, Ill.
Peerless Cow Feed.	The J. S. Ashbrook Co.	Mattoon, Ill.
Allneeda Horse and Mule Feed.	Allneeda Mills Co.	East St. Louis, Ill.
Butterfat Dairy Feed.	Allneeda Mills Co.	East St. Louis, Ill.
Jersy Sugar Feed.	Allneeda Mills Co.	East St. Louis, Ill.
Arcady Dairy Feed.	Arcady Farms Milling Co.	Rondout, Ill.
Arcady Calf Meal.	Arcady Farms Milling Co.	Rondout, Ill.
Arcady Special Dairy Feed.	Arcady Farms Milling Co.	Rondout, Ill.
Arcady Horse Feed.	Arcady Farms Milling Co.	Rondout, Ill.
Arcady Dairy Feed.	Arcady Farms	Lake Forest, Ill.
Molasses Alfocorn Horse and Mule Feed.	Alfocorn Milling Co.	East St. Louis, Ill.
Sweet Meal.	Alfocorn Milling Co.	East St. Louis, Ill.
Molasso.	Abingdon Milling and Cattle Feed Co.	Abingdon, Ill.
Jumbo Hog Feed.	Abingdon Milling and Cattle Feed Co.	Abingdon, Ill.
Superior Horse Feed.	American Hominy Co.	Decatur, Ill.
Chopped Feed.	Aurora City Mills Co.	Aurora, Ill.
Graingold Horse and Cattle Feed.	J. J. Badenoch Co.	Chicago, Ill.
Kurvnek Horse Feed.	J. J. Badenoch Co.	Chicago, Ill.
Rye Feed.	Bennett Milling Co.	Geneva, Ill.
Mazavena Chop Feed.	Bennett Milling Co.	Geneva, Ill.
Amo Syrup Feed.	J. & J. S. Emison & Co. Baltic Mills.	Vincennes, Ind.
Big 4 Horse Feed.	Big Four Elevator & Milling Co.	Mattoon, Ill.
Burrow's Mixed Feed.	Burrows Feed Co.	Decatur, Ill.
Banner Horse Feed.	W. J. Byrnes & Co.	Chicago, Ill.
Egyptian Dairy and Cattle Feed.	J. H. Bramlet & Son.	Eldorado, Ill.
Clark's Falta Horse Feed.	Horace Clark & Sons Co.	Peoria, Ill.
Vigor Horse and Mule Feed.	Chapman Doake C.	Decatur, Ill.
Prize Cooked Hog Feed.	Chicago Heights Oil Manufacturing Co.	Chicago, Ill.
Harvester Molasses Feed.	Cairo Milling Co.	Cairo, Ill.
Unicorn Dairy Ration.	Chapin & Co.	Hammond, Ind.
Ajax Flakes.	Chapin & Co. for Ajax Milling & Feed Co.	Hammond, Ind.
Champion Digester Hog Feed.	Champion Feed Milling Co.	Clinton, Ia.
Champion Molasses Feed Compound.	Champion Feed Milling Co.	Clinton, Ia.
Purty Dairy Feed.	Consumers Fuel & Feed Co.	Galesburg, Ill.
Crown Dairy Feed.	Central Illinois Grain Co.	Springfield, Ill.
No. Two Feed.	Z. R. Carter & Bro.	Chicago, Ill.
Pork-Maker.	C. E. Cline.	Abingdon, Ill.
Empire State Dairy Feed.	Clarke Bros. & Co.	Peoria, Ill.
Crown Horse Feed.	Central Illinois Grain Co.	Springfield, Ill.
White Cross Stock Feed.	The Albert Dickinson Co.	Chicago, Ill.
White Cross Horse Feed.	The Albert Dickinson Co.	Chicago, Ill.
Dixie Horse and Mule Feed.	Dixie Mills Co.	East St. Louis, Ill.
Dixie Alfalfa Molasses Feed.	Dixie Mills Co.	East St. Louis, Ill.
Excelsior Horse Feed.	Edwards and Loomis.	Chicago, Ill.
Harvest Horse Feed.	Edwards and Loomis.	Chicago, Ill.
Greeno Horse & Cattle Feed.	Edwards and Loomis.	Chicago, Ill.
Glen Oak Dairy Feed.	Edwards and Loomis.	Chicago, Ill.
Pioneer Horse & Cattle Feed.	Edwards and Loomis.	Chicago, Ill.
Pilot Horse Feed.	Eureka Mills Co.	St. Louis, Mo.

HOG, HORSE AND CATTLE FEEDS—Continued.

Brand.	Manufacturer or jobber.	Address.
Pilot Stock Feed	Eureka Mills Co.	St. Louis, Mo.
Excello Horse Feed	Excello Feed Milling Co.	St. Joseph, Mo.
Excello Dairy Feed	Excello Feed Milling Co.	St. Joseph, Mo.
Reliable Molasses Feed	Excello Feed Milling Co.	St. Joseph, Mo.
Excello Cattle Fattener	Excello Feed Milling Co.	St. Joseph, Mo.
Excello Molasses Feed	Excello Feed Milling Co.	St. Joseph, Mo.
Oats Feed	C. W. Fredrich and Son	Dyer, Ind.
Frazer Stock Food	Frazer Lubricator Co.	Chicago, Ill.
Golden Grain Horse & Mule Feed	Golden Grain Milling Co.	E. St. Louis, Ill.
Golden Grain Alfalfa Molasses Feed	Golden Grain Milling Co.	E. St. Louis, Ill.
Golden Grain Dairy Feed	Golden Grain Milling Co.	E. St. Louis, Ill.
Purity Horse and Cattle Feed	Great Western Feed Co.	St. Louis, Mo.
Blue Ribbon Feed	Gem Mill Company	Sumner, Ill.
Kingalfa Horse Feed	The Howard H. Hanks Co.	Chicago, Ill.
Kingalfa Meadow Feed	The Howard H. Hanks Co.	Chicago, Ill.
Horse and Mule Feed	W. H. Hogan Milling Co.	Flora, Ill.
Halliday's H Mixed Feed	H. L. Halliday Milling Co.	Cairo, Ill.
Reward Horse and Mule Feed	W. L. Holman	Clay City, Ill.
International Cattle Feed	International Sugar Feed Co.	Minneapolis, Minn.
International Climax Feed	International Sugar Feed Co.	Minneapolis, Minn.
International Hog Feed and Charcoal	International Sugar Feed Co.	Minneapolis, Minn.
International Special Dairy Feed	International Sugar Feed Co.	Minneapolis, Minn.
International Dan Patch Special Horse Feed	International Sugar Feed Co.	Minneapolis, Minn.
International Dan Patch Horse Feed	International Sugar Feed Co.	Minneapolis, Minn.
International Climax Horse Feed	International Sugar Feed Co.	Minneapolis, Minn.
International Dairy Feed	International Sugar Feed Co.	Minneapolis, Minn.
Universal Feed	Indiana Milling Co.	Terre Haute, Ind.
Holstein Feed	Indiana Milling Co.	Terre Haute, Ind.
Imco Combination Feed	Indiana Milling Co.	Terre Haute, Ind.
K. C. Straight Alfalfa Molasses Feed	Kornalfalfa Feed Milling Co.	Kansas City, Mo.
Badger Horse Feed	Chas. A. Krause Milling Co.	Milwaukee, Wis.
Derby Horse Feed	Chas. A. Krause Milling Co.	Milwaukee, Wis.
Badger Dairy Feed	Chas. A. Krause Milling Co.	Milwaukee, Wis.
Stock Feed	H. C. Knoke and Co.	Chicago, Ill.
Acme Horse Feed	H. C. Knoke and Co.	Chicago, Ill.
Purity Horse Feed	Kemper Bros. Co.	Chicago, Ill.
American Horse Feed	Keelin Bros. and Co.	Chicago, Ill.
I X L Horse Feed	H. J. Karstens Feed Co.	Chicago, Ill.
Ground Feed	George D. Laing	Dixon, Ill.
C. & O. Feed	George D. Laing	Dixon, Ill.
No. 1 Feed	Lewis Livingston and Co.	Chicago, Ill.
Palace Horse & Mule Feed	Millstadt Milling Co.	Millstadt, Ill.
Nesco Stock Food	National Enameling & Stamping Co.	Granite City, Ill.
Peru C. & O. Feed	Northern Illinois Cereal Co.	Lockport, Ill.
Cream Alfalfa Dairy Feed	Omaha Alfalfa Milling Co.	Omaha, Nebr.
Green Meadow Dairy Feed	Omaha Alfalfa Milling Co.	Omaha, Nebr.
Alfalfa	Omaha Alfalfa Milling Co.	Omaha, Nebr.
Alfalfa-Syr	Omaha Alfalfa Milling Co.	Omaha, Nebr.
Perfection Horse Feed	Omaha Alfalfa Milling Co.	Omaha, Nebr.
Peerless Alfalfa Horse Feed	Omaha Alfalfa Milling Co.	Omaha, Nebr.
Al-corn O Horse Feed	Omaha Alfalfa Milling Co.	Omaha, Nebr.
General Purpose Perfection Feed	Olney Milling Co.	Olney, Ill.
Peter's June Pasture Dairy Meal	M. C. Peters Mill Co.	Omaha, Nebr.
Peter's Alfalfa-fat Sugar Meal	M. C. Peters Mill Co.	Omaha, Nebr.
Peter's Economy Molasses Meal	M. C. Peters Mill Co.	Omaha, Nebr.
Peter's Arab Horse Feed	M. C. Peters Mill Co.	Omaha, Nebr.
Peter's Repeter Horse Feed	M. C. Peters Mill Co.	Omaha, Nebr.
Alfalfa Queen Mills Dairy Feed	M. C. Peters Mill Co.	Omaha, Nebr.
Peter's King Corn, Oats, Alfalfa Molasses Feed	M. C. Peters Mill Co.	Omaha, Nebr.
Pattan's Alfalfa Chop Feed	Pattan and Co.	Monmouth, Ill.
Purity Reground Oat Hulls	Purity Oats Co.	Keokuk, Ia.
C X X Feed	Postum Cereal Co., Ltd.	Battle Creek, Mich.
Sweet Green Horse Feed	The Quaker Oats Co.	Chicago, Ill.
Schumacher Calf Meal	The Quaker Oats Co.	Chicago, Ill.
Molac Molasses Dairy Feed	The Quaker Oats Co.	Chicago, Ill.
Blue Ribbon Dairy Feed	The Quaker Oats Co.	Chicago, Ill.
Daisy Dairy Feed	The Quaker Oats Co.	Chicago, Ill.
Quaker Dairy Feed with Molasses	The Quaker Oats Co.	Chicago, Ill.
Sterling Stock Feed	The Quaker Oats Co.	Chicago, Ill.
Schumacher's Special Horse Feed	The Quaker Oats Co.	Chicago, Ill.
Schumacher's Stock Feed	The Quaker Oats Co.	Chicago, Ill.
Victor Feed	The Quaker Oats Co.	Chicago, Ill.
White Diamond Feed	The Quaker Oats Co.	Chicago, Ill.
Shamrock Alfalfa Molasses Feed	The Quaker Oats Co.	Chicago, Ill.
Green Cross Horse Feed	The Quaker Oats Co.	Chicago, Ill.
Purina Sweet Feed	Purina Mills (Branch Ralston Purina Co.)	St. Louis, Mo.
Purina Feed with Molasses	Purina Mills	St. Louis, Mo.
XX Good Feed with Molasses	Purina Mills	St. Louis, Mo.
Protena Dairy Feed	Purina Mills	St. Louis, Mo.
Purina Dairy Feed	Purina Mills	St. Louis, Mo.
Purina Chow Chow Feed	Purina Mills	St. Louis, Mo.

HOG, HORSE AND CATTLE FEEDS—Concluded.

Brand.	Manufacturer or jobber.	Address.
Winner Feed with Molasses.....	Ralston Purina Co.....	St. Louis, Mo.
Republic Sugar Feed.....	Republic Milling Co.....	E. St. Louis, Ill.
Sugarine Horse & Mule Feed.....	The Sugarine Co.....	Peoria, Ill.
Sugarine Dairy Feed.....	do.....	Peoria, Ill.
Schafer's Horse Feed.....	Joe Schafer.....	Springfield, Ill.
Nu Life Dairy Feed.....	Theiss Bros. Feed & Coal Co.....	East St. Louis, Ill.
Nu Life Horse and Mule Feed.....	Theiss Bros. Feed & Coal Co.....	East St. Louis, Ill.
Tarkio Champion Molasses Feed No. 2.....	Tarkio Champion Feed Co.....	Kansas City, Mo.
Tarkio Champion Molasses Feed.....	Tarkio Champion Feed Co.....	Kansas City, Mo.
Union Crains, Ubiko. Biles Ready Dairy Ration.....	The Ubika Milling Co.....	Cincinnati, Ohio.
Eagle Brand Alfalfa Molasses Feed.....	U. S. Stock Food Co.....	Kansas City, Mo.
Rix-O-Fat.....	The Wash Co. Alfalfa M. F. & Mill- ing Co.....	Fort Calhoun, Neb.
Washco Alfalfa Horse Feed.....	The Wash Co. Alfalfa M. F. & Mill- ing Co.....	Fort Calhoun, Neb.
Butler's Special Horse Feed.....	The Wash Co. Alfalfa M. F. & Mill- ing Co.....	Fort Calhoun, Neb.
Alfalgreen.....	The Wash Co. Alfalfa M. F. & Mill- ing Co.....	Fort Calhoun, Neb.
Faultless Horse Feed.....	Wiedlocher & Sons.....	Springfield, Ill.
Congress Horse Feed.....	Wiedlocher & Sons.....	Springfield, Ill.
Hammond Dairy Feed.....	Western Grain Products Co.....	Hammond, Ind.
Hammond Horse Feed.....	Western Grain Products Co.....	Hammond, Ind.
Chicago Alfalfa Horse and Mule Feed.....	Western Grain Products Co.....	Hammond, Ind.
Mixed Feed.....	J. L. Wright.....	Dundas, Ill.
Wataga Mixed Feed.....	Wataga Mill & Light Plant.....	Wataga, Ill.
Ideal Mixed Feed.....	S. C. Wilson & Co.....	Olney, Ill.
Corno Sweet Feed.....	The Corno Mills Co.....	St. Louis, Mo.
Corno Dairy Feed.....	The Corno Mills Co.....	St. Louis, Mo.
Mogul Molasses Mixed Feed.....	The Quaker Oats Co.....	Chicago, Ill.
Red Mills Chop Feed.....	The Red Mill.....	Davenport, Ia.
Chop Feed.....	Wm. A. Boetger & Son.....	Davenport, Ia.
Molasco.....	National Oats Co., The Corno Mills Co.....	St. Louis, Mo.
Pawnee Cow Feed.....	National Oats Co., The Corno Mills Co.....	St. Louis, Mo.
Jahp's Special Horse Feed.....	Fred E. Jahp & Co.....	Chicago, Ill.
XXXX Horse Feed.....	Wm. Herely & Co.....	Chicago, Ill.
Tiger Brand Molasses Fattner.....	The Munn Brokerage Co.....	Little Rock, Ark.
Boss Brand Chop Feed.....	Fulton Roller Mills.....	Fulton, Ill.
Red Star Feed.....	The Quaker Oats Co.....	Chicago, Ill.
Pawnee Feed.....	National Oats Co. (Corno Mills Co.).....	St. Louis, Mo.
Alasco Sweet Meal.....	The Corno Mills Co.....	St. Louis, Mo.
Diamond Horse and Mule Feed.....	Dixie Mills Co.....	East St. Louis, Ill.
Diamond Molasses Feed.....	Dixie Mills Co.....	East St. Louis, Ill.
Dixie Dairy Feed.....	Dixie Mills Co.....	East St. Louis, Ill.
Anchor Molasses Horse and Mule Feed.....	Dixie Mills Co.....	East St. Louis, Ill.
Gloskoat Horse Feed.....	J. J. Badenoch Co.....	Chicago, Ill.
Kumboss Dairy Feed.....	J. J. Badenoch Co.....	Chicago, Ill.
Holstein Molasses Feed.....	F. W. Goeke Co.....	St. Louis, Mo.
Leader Molasses Horse and Mule Feed.....	Alfocorn Milling Co.....	East St. Louis, Ill.
Belleville Horse-Mule Feed.....	Belleville Feed Mill.....	Belleville, Ill.
Sugarota Calf Meal.....	Sugarota Calf Meal Co.....	Winona, Minn.
Alfocorn Corn and Oat Chops.....	Alfocorn Milling Co.....	East St. Louis, Ill.
Money Saving Stock Feed.....	Dixie Mills Co.....	East St. Louis, Ill.
Paxseco Horse Feed.....	Paxton Seed Co.....	Paxton, Ill.
Barn Feed.....	Consumers Hay & Grain Co.....	Chicago, Ill.
Alfalfo Horse Feed.....	Elgin Flour & Feed Co.....	Elgin, Ill.
Elk Syrup Feed.....	Baltic Mills.....	Vincennes, Ind.
Big Four Mixed Feed.....	Big Four Elevator Co.....	Mattoon, Ill.
C. I. G. Horse Feed.....	Central Illinois Grain Co.....	Springfield, Ill.
Sucrene Hog Meal.....	American Milling Co.....	Peoria, Ill.
Ideal Cane Molasses Feed.....	The Sugarine Co.....	Peoria, Ill.
Mixed Feed.....	M. M. James.....	Greenup, Ill.
Green Pasture Horse Feed.....	The Truby Company.....	Joliet, Ill.
Alfalfa Mixed Feed.....	B. P. Lisenby.....	Mt. Vernon, Ill.
The B. B. Horse Ration.....	H. W. Blizzard.....	Greenville, Ill.
Faultless Dairy Feed.....	Wiedlocher & Sons.....	Springfield, Ill.

POULTRY, PIGEON AND CHICK FEEDS.

Brand.	Manufacturer or jobber.	Address.
Sucrene Scratch Feed.....	American Milling Co.....	Peoria, Ill.
Sucrene Scratch Feed with 5 per cent Grit.....	American Milling Co.....	Peoria, Ill.
Sucrene Chick Feed.....	American Milling Co.....	Peoria, Ill.
Sucrene Chick Feed with 5 per cent Grit.....	American Milling Co.....	Peoria, Ill.
Cluck, Cluck Scratch Feed.....	American Milling Co.....	Peoria, Ill.

POULTRY, PIGEON AND CHICK FEEDS—Continued.

Brand.	Manufacturer or jobber.	Address.
Tip Top Scratch Feed with 5 per cent Grit.....	American Milling Co.....	Peoria, Ill.
Tip Top Chick Feed with 5 per cent Grit.....	American Milling Co.....	Peoria, Ill.
Alfocorn Hen Feed.....	Alfocorn Milling Co.....	E. St. Louis, Ill.
Alfocorn Chick Feed.....	Alfocorn Milling Co.....	E. St. Louis, Ill.
Diamond D Hen Feed.....	Alfocorn Milling Co.....	E. St. Louis, Ill.
Diamond D Chick Feed.....	Alfocorn Milling Co.....	E. St. Louis, Ill.
Peerless Scratch Feed.....	The J. S. Ashbrook Co.....	Mattoon, Ill.
Peerless Chick Feed.....	The J. S. Ashbrook Co.....	Mattoon, Ill.
Premium Scratch Feed.....	The J. S. Ashbrook Co.....	Mattoon, Ill.
Allneeda Poultry Feed.....	Allneeda Mills Co.....	E. St. Louis, Ill.
Allneeda Chick Feed.....	Allneeda Mills Co.....	E. St. Louis, Ill.
Make-M-Lay Poultry Feed.....	Allneeda Mills Co.....	E. St. Louis, Ill.
Western Star Poultry Feed.....	Aurora City Mills Co.....	Aurora, Ill.
Sunflower Poultry Feed.....	J. J. Badenoch Co.....	Chicago, Ill.
Sunflower Fine Chick Feed.....	J. J. Badenoch Co.....	Chicago, Ill.
Sunflower Developing Feed.....	J. J. Badenoch Co.....	Chicago, Ill.
C-ER-Lay Poultry Feed.....	J. J. Badenoch Co.....	Chicago, Ill.
C-ER-LAY Fine Chick Feed.....	J. J. Badenoch Co.....	Chicago, Ill.
EG-A-DAY Meat-Cereal Mash.....	J. J. Badenoch Co.....	Chicago, Ill.
Sure Lay Scratching Feed.....	The W. W. Barnard Co.....	Chicago, Ill.
Sure Lay Poultry Mash.....	The W. W. Barnard Co.....	Chicago, Ill.
Happy Hen Poultry Feed.....	The W. W. Barnard Co.....	Chicago, Ill.
Sure Live Chick Feed.....	The W. W. Barnard Co.....	Chicago, Ill.
Jewel Poultry Feed.....	W. J. Byrnes and Co.....	Chicago, Ill.
Royal Poultry Feed.....	W. J. Byrnes and Co.....	Chicago, Ill.
Daisy Chick Feed.....	W. J. Byrnes and Co.....	Chicago, Ill.
Shield Brand Scratch Feed.....	Bennett Milling Co.....	Geneva, Ill.
Come Again.....	Bennett Milling Co.....	Geneva, Ill.
Blue Diamond Scratch Poultry Feed.....	Baltic Mills (J. & S. Emison & Co.).....	Vincennes, Ind.
Blue Diamond Little Chick Feed.....	Baltic Mills (J. & S. Emison & Co.).....	Vincennes, Ind.
Burn's Poultry Feed.....	Geo. W. Burns and Co.....	Naperville, Ill.
Burn's Chick Feed.....	Geo. W. Burns and Co.....	Naperville, Ill.
Starved Rock Scratch Grain.....	Baker, Wignall and Company.....	Streator, Ill.
Brown's Chicken Feed.....	J. F. Brown and Co.....	Peoria, Ill.
Briar Mixed Feed for Poultry.....	The Briar Mills.....	Keokuk, Ia.
Badtord Hen Feed.....	W. L. Badtord and Co.....	Belleville, Ill.
Pigeon Food.....	Cyphers Incubator Co.....	Buffalo, N. Y.
Laying Mash.....	Cyphers Incubator Co.....	Buffalo, N. Y.
Fattening Mash.....	Cyphers Incubator Co.....	Buffalo, N. Y.
Scratching Food.....	Cyphers Incubator Co.....	Buffalo, N. Y.
Chick Food.....	Cyphers Incubator Co.....	Buffalo, N. Y.
Full Nest Egg Food.....	Cyphers Incubator Co.....	Buffalo, N. Y.
Developing Food.....	Cyphers Incubator Co.....	Buffalo, N. Y.
Growing Mash.....	Cyphers Incubator Co.....	Buffalo, N. Y.
Fertile Egg Mash.....	Cyphers Incubator Co.....	Buffalo, N. Y.
Premium Chicken Feed.....	F. B. Chamberlain Co.....	St. Louis, Mo.
Acorn Chicken Feed.....	F. B. Chamberlain Co.....	St. Louis, Mo.
Imperial Chicken Feed.....	F. B. Chamberlain Co.....	St. Louis, Mo.
Perfect Chicken Feed.....	F. B. Chamberlain Co.....	St. Louis, Mo.
Premium Chow Chow, The Dinner Bell Egg Mash.....	F. B. Chamberlain Co.....	St. Louis, Mo.
Clark's Royal Scratch Food.....	Horace Clark and Sons Co.....	Peoria, Ill.
Clark's Royal Chick Food.....	Horace Clark and Sons Co.....	Peoria, Ill.
Clark's Royal Chicken Mash.....	Horace Clark and Sons Co.....	Peoria, Ill.
Sweetheart Poultry Scratch Food.....	Continental Cereal Co.....	Peoria, Ill.
Sweetheart Baby Chick Feed.....	Continental Cereal Co.....	Peoria, Ill.
Laymore Hen Feed.....	Chapman Doake Co.....	Decatur, Ill.
Laymore Fine Chick Feed.....	Chapman Doake Co.....	Decatur, Ill.
Chick's Scratch Feed.....	J. G. Chick Milling Co.....	Rockford, Ill.
Chick's Chick Feed.....	J. G. Chick Milling Co.....	Rockford, Ill.
Chicks Meat Mash.....	J. G. Chick Milling Co.....	Rockford, Ill.
Prize Poultry Feed.....	Cairo Milling Co.....	Cairo, Ill.
Melba Chick Feed.....	J. H. Cain and Sons.....	Jacksonville, Ill.
Purity Mixed Feed.....	Consumers Fuel and Feed Co.....	Galesburg, Ill.
Crown Hen Feed.....	Central Illinois Grain Co.....	Springfield, Ill.
Currier's XXXX Scratch Feed.....	G. B. Currier.....	Evanston, Ill.
Banner Brand Scratch Feed.....	Coppins & Lange Flour and Feed Co.....	Rockford, Ill.
Conkey's Starting Food for Chicks.....	The G. E. Conkey Co.....	Cleveland, O.
Eagle Scratch Feed.....	J. W. Challacombe.....	Princeton, Ill.
Star Brand Poultry Food.....	Central Mill and Elevator Co.....	Bloomington, Ill.
Colonial Scratch Feed.....	The Albert Dickinson Co.....	Chicago, Ill.
Colonial Chick Feed.....	The Albert Dickinson Co.....	Chicago, Ill.
White Cross Scratch Feed.....	The Albert Dickinson Co.....	Chicago, Ill.
White Cross Chick Feed.....	The Albert Dickinson Co.....	Chicago, Ill.
Crescent Scratch Feed.....	The Albert Dickinson Co.....	Chicago, Ill.
Crescent Chick Feed.....	The Albert Dickinson Co.....	Chicago, Ill.
Globe Scratch Feed.....	The Albert Dickinson Co.....	Chicago, Ill.
Globe Chick Feed.....	The Albert Dickinson Co.....	Chicago, Ill.
Sun Chick Starter.....	The Albert Dickinson Co.....	Chicago, Ill.
King Pigeon Feed.....	The Albert Dickinson Co.....	Chicago, Ill.
Queen Poultry Mash.....	The Albert Dickinson Co.....	Chicago, Ill.
Pine Tree Scratch Feed.....	The Albert Dickinson Co.....	Chicago, Ill.

POULTRY, PIGEON AND CHICK FEEDS—Continued.

Brand.	Manufacturer or jobber.	Address.
Globe Egg Mash.....	The Albert Dickinson Co.....	Chicago, Ill.
Globe Developing Feed.....	The Albert Dickinson Co.....	Chicago, Ill.
Dixie Hen Feed.....	Dixie Mills Company.....	E. St. Louis, Ill.
Dixie Chick Feed.....	Dixie Mills Company.....	E. St. Louis, Ill.
Derby Scratch Feed.....	The Derby Mills Co.....	Burlington, Ia.
Derby Chick Scratch.....	The Derby Mills Co.....	Burlington, Ia.
Liberty Bell Coarse Chick Feed.....	Dixon Cereal and Feed Co.....	Dixon, Ill.
Liberty Bell Baby Chick Feed.....	Dixon Cereal and Feed Co.....	Dixon, Ill.
Broadway Brand Hen Feed.....	Diehlm Grocery Co.....	E. St. Louis, Ill.
Daley's Poultry Mix.....	D. E. Daly.....	Ottawa, Ill.
Melba Scratch Feed.....	J. H. Cain & Sons.....	Jacksonville, Ill.
Red Comb Poultry Feed with Grit.....	Edwards and Loomis.....	Chicago, Ill.
Red Comb Coarse Chick Feed with Grit.....	Edwards and Loomis.....	Chicago, Ill.
Red Comb Fine Chick Feed with Grit.....	Edwards and Loomis.....	Chicago, Ill.
Cackle Poultry Feed with Grit.....	Edwards and Loomis.....	Chicago, Ill.
Cackle Fine Chick Feed with Grit.....	Edwards and Loomis.....	Chicago, Ill.
Red Comb Pigeon Feed with Grit.....	Edwards and Loomis.....	Chicago, Ill.
Pound Squab Pigeon Feed.....	Edwards and Loomis.....	Chicago, Ill.
Morning Glory Feed with Grit.....	Edwards and Loomis.....	Chicago, Ill.
Red Comb Meat Mash.....	Edwards and Loomis.....	Chicago, Ill.
Eureka Poultry Feed, Hen Size.....	Eureka Mills Co.....	St. Louis, Mo.
Eureka Poultry Feed, Chick Size.....	Eureka Mills Co.....	St. Louis, Mo.
Pilot Poultry Feed.....	Eureka Mills Co.....	St. Louis, Mo.
Pilot Chick Feed.....	Eureka Mills Co.....	St. Louis, Mo.
Yellow Legged Chicken Feed.....	Elgin Flour and Feed Co.....	Elgin, Ill.
Yellow Legged Chick Feed.....	Elgin Flour and Feed Co.....	Elgin, Ill.
Purity Hen Feed.....	Great Western Feed Co.....	St. Louis, Mo.
Monarch Scratch Feed.....	W. S. Garver.....	Decatur, Ill.
Golden Egg Scratch Feed with Grit.....	The Howard H. Hanks Co.....	Chicago, Ill.
and Oyster Shell.....	The Howard H. Hanks Co.....	Chicago, Ill.
Golden Egg Chick Feed with Grit.....	The Howard H. Hanks Co.....	Chicago, Ill.
Golden Egg Mash Feed.....	The Howard H. Hanks Co.....	Chicago, Ill.
Kukoo Scratch Feed with Grit.....	The Howard H. Hanks Co.....	Chicago, Ill.
Golden Egg Pigeon Feed.....	The Howard H. Hanks Co.....	Chicago, Ill.
Dauntless Scratch Feed.....	Hulman and Co.....	Mattoon, Ill.
Dauntless Chick Feed.....	Hulman and Co.....	Mattoon, Ill.
Hemico Hen Feed.....	Hezel Milling Co.....	E. St. Louis, Ill.
Hemico Chick Feed.....	Hezel Milling Co.....	E. St. Louis, Ill.
Hogan's Poultry Food, Fine & Coarse.....	W. H. Hogan Milling Co.....	Flora, Ill.
Hen-O-La Dry Mash.....	Gray and Scheff Hen-E-Ta Bone Co.....	Springfield, Ill.
Excelsior Chicken Feed.....	B. F. Hoopes and Son.....	Bloomington, Ill.
Rooster Mixed Hen Feed.....	Hammel Henker and Co.....	Dubuque, Ia.
International Poultry Feed, Scratch Size.....	International Sugar Feed Co.....	Minneapolis, Minn.
International Poultry Feed, Chick Size.....	International Sugar Feed Co.....	Minneapolis, Minn.
International Climax Poultry Feed.....	International Sugar Feed Co.....	Minneapolis, Minn.
Everybody's Poultry Feed.....	Indiana Milling Co.....	Terre Haute, Ind.
Supreme Chicken Food.....	Jacksonville Reduction Co.....	Jacksonville, Ill.
Golden Grain Scratch Feed.....	The Joliet Grain Co.....	Joliet, Ill.
Mixed Feed.....	Jameson and Co.....	Canton, Ill.
High Protein Egg Scratch.....	Knollenberg Milling Co.....	Quincy, Ill.
High Protein Chick Scratch, Fine & Coarse.....	Knollenberg Milling Co.....	Quincy, Ill.
High Protein Egg Mash.....	Knollenberg Milling Co.....	Quincy, Ill.
High Protein Growing Mash.....	Knollenberg Milling Co.....	Quincy, Ill.
Blue Diamond Feed.....	James McCoy & Co.....	Peoria, Ill.
Kluk Scratch Feed.....	Kornfalfa Feed Milling Co.....	Kansas City, Mo.
Kluk Chick Feed.....	Kornfalfa Feed Milling Co.....	Kansas City, Mo.
Perfecto Poultry Feed.....	H. C. Knoke and Co.....	Chicago, Ill.
Perfecto Chick Feed.....	H. C. Knoke and Co.....	Chicago, Ill.
Just Right Hen Feed.....	Kroeger-Amos-James Grocery Co.....	St. Louis, Mo.
Just Right Chick Feed.....	Kroeger-Amos-James Grocery Co.....	St. Louis, Mo.
Ideal Poultry Food.....	Kemper Bros. Co.....	Chicago, Ill.
Red Feather Chicken Feed.....	Kummer Milling Co.....	Galesburg, Ill.
Scratch Feed.....	George D. Laing.....	Dixon, Ill.
Baby Chick Feed.....	George D. Laing.....	Dixon, Ill.
Hen Feed Poultry Food.....	Wm. Langreder.....	Oak Park, Ill.
Mixed Poultry Food.....	Chas. Marwitz.....	Oak Park, Ill.
Poultry Mash.....	Chas. Marwitz.....	Oak Park, Ill.
Palace Poultry Feed, Coarse & Fine.....	Millstadt Milling Co.....	Millstadt, Ill.
Sioux Poultry Food.....	Mystic Milling Co.....	Sioux, City, Ia.
Mixed Grains.....	J. L. Murphy.....	Sycamore, Ill.
Leg Horn Poultry Feed.....	A. T. Norby.....	Chicago, Ill.
Hen Feed.....	W. H. Norton.....	Elgin, Ill.
Dry-Mash.....	The Park and Pollard Co.....	Boston, Mass.
Screened Scratch Feed.....	The Park and Pollard Co.....	Boston, Mass.
Growing Feed.....	The Park and Pollard Co.....	Boston, Mass.
Gritless Chick Feed.....	The Park and Pollard Co.....	Boston, Mass.
Pattan's Scratch Feed.....	Pattan and Co.....	Monmouth, Ill.
Pattan's Chick Feed.....	Pattan and Co.....	Monmouth, Ill.
Everlay Chick Feed.....	Plymouth Milling Co.....	LeMars, Ia.
Paxseco.....	The Paxton Seed Co.....	Paxton, Ill.

POULTRY, PIGEON, AND CHICK FEEDS—Continued.

Brand.	Manufacturer or jobber.	Address.
Peerless Farm Poultry Food.....	Peerless Farm, E. J. VanFleet, Prop.	Plainfield, Ill.
Best-Of-All Poultry Feed.....	Pearson and Herron.....	Chicago, Ill.
Peter's Mixed Chicken Feed.....	Peters and Co.....	Peoria, Ill.
Peerless Chicken Feed.....	Priwer Feed Co.....	E. St. Louis, Ill.
Acme Mills Chick Feed.....	Pape and Loss.....	Quincy, Ill.
High Life Poultry Food, Hen Size.....	The Quaker Oats Co.....	Chicago, Ill.
High Life Poultry Food, Chick Size.....	The Quaker Oats Co.....	Chicago, Ill.
Mother's Feed, Hen Size.....	The Quaker Oats Co.....	Chicago, Ill.
Mother's Feed, Chick Size.....	The Quaker Oats Co.....	Chicago, Ill.
Wishbone Poultry Feed, Hen Size.....	The Quaker Oats Co.....	Chicago, Ill.
Wishbone Poultry Feed, Chick Size.....	The Quaker Oats Co.....	Chicago, Ill.
Schumacher Scratch Grains.....	The Quaker Oats Co.....	Chicago, Ill.
Schumacher Little Chick Feed.....	The Quaker Oats Co.....	Chicago, Ill.
Quaker Scratch Grains.....	The Quaker Oats Co.....	Chicago, Ill.
Quaker Chick Feed.....	The Quaker Oats Co.....	Chicago, Ill.
Purity Hen Feed.....	The Quaker Oats Co.....	Chicago, Ill.
Purity Chick Feed.....	The Quaker Oats Co.....	Chicago, Ill.
Banner Brand Scratch Feed.....	The Quaker Oats Co.....	Chicago, Ill.
Banner Brand Chick Feed.....	The Quaker Oats Co.....	Chicago, Ill.
Pansy Scratch Grains.....	The Quaker Oats Co.....	Chicago, Ill.
Big Egg Scratch Grains.....	The Quaker Oats Co.....	Chicago, Ill.
Boss Feed.....	The Quaker Oats Co.....	Chicago, Ill.
American Hen Scratch Grains.....	The Quaker Oats Co.....	Chicago, Ill.
Blue Ribbon Scratch Grains.....	The Quaker Oats Co.....	Chicago, Ill.
Sterling Scratch Feed.....	The Quaker Oats Co.....	Chicago, Ill.
Biddy Scratch Feed With Grit.....	Ralston Purina Co.....	St. Louis, Mo.
Biddy Chick Feed With Grit.....	Ralston Purina Co.....	St. Louis, Mo.
Winner Scratch Feed With Grit.....	Ralston Purina Co.....	St. Louis, Mo.
Winner Chick Feed With Grit.....	Ralston Purina Co.....	St. Louis, Mo.
Purina Scratch Feed.....	Purina Mills, Ralston Purina Co.....	St. Louis, Mo.
Purina Chick Feed.....	Purina Mills, Ralston Purina Co.....	St. Louis, Mo.
Purina Chicken Chowder with Char- coal.....	Purina Mills, Ralston Purina Co.....	St. Louis, Mo.
Good Luck Scratch Feed with Grit.....	Ralston Purina Co.....	St. Louis, Mo.
Good Luck Chick Feed with Grit.....	Ralston Purina Co.....	St. Louis, Mo.
Red Rooster Scratch Feed.....	F. E. Royston & Co.....	Aurora, Ill.
Red Rooster Baby Chick Feed.....	F. E. Royston & Co.....	Aurora, Ill.
Star Hen Feed.....	Richland Milling Co.....	Belleville, Ill.
Star Chick Feed.....	Richland Milling Co.....	Belleville, Ill.
Thorobred Chicken Feed.....	Rockford Seed Co.....	Rockford, Ill.
Clinton Chick Feed.....	Riverside Milling Co.....	Clinton, Ia.
Sunflower Scratch Feed.....	Riverside Milling Co.....	Clinton, Ia.
O. K. Meat Mash.....	The O. K. Stock Food Co.....	Blue Island, Ill.
O. K. Hen Feed.....	The O. K. Stock Food Co.....	Blue Island, Ill.
O. K. Chick Feed.....	The O. K. Stock Food Co.....	Blue Island, Ill.
Steinmesch Mixed Feed for Poultry.....	Steinmesch Feed Co.....	St. Louis, Mo.
Feed-A-Gud Hen Feed.....	The St. Louis Seed Co.....	St. Louis, Mo.
Chico Chick Feed.....	Sprague Warner & Co.....	Chicago, Ill.
Cero Poultry Feed.....	Sprague Warner & Co.....	Chicago, Ill.
Spellman's Hen Feed.....	Spellman & Co.....	Lincoln, Ill.
Spellman's Poultry Mash.....	Spellman & Co.....	Lincoln, Ill.
Spratt's Patent Poultry Food.....	Spratt's Patent Limited.....	Newark, N. J.
Spratt's Pheasant Chick Meal.....	Spratt's Patent Limited.....	Newark, N. J.
Spratt's Game Meal.....	Spratt's Patent Limited.....	Newark, N. J.
Ideal Scratch Feed.....	The Sugarine Co.....	Peoria, Ill.
Steck's Feed.....	S. A. Steck and Co.....	Aurora, Ill.
Nu-Life Poultry Feed.....	Theiss Bros. Feed Co.....	E. St. Louis, Ill.
Vaughan's Chick Feed.....	Vaughan's Seed Store.....	Chicago, Ill.
Vaughan's Zenith Hen Feed.....	Vaughan's Seed Store.....	Chicago, Ill.
Vaughan's Pigeon Feed.....	Vaughan's Seed Store.....	Chicago, Ill.
Acme Feed.....	The Valley Milling Co.....	St. Louis, Mo.
Faultless Hen Feed.....	Wiedlocher and Sons.....	Springfield, Ill.
Faultless Chick Feed.....	Wiedlocher and Sons.....	Springfield, Ill.
Dr. Jatar's Chickdiet.....	Washington Mill and Elevator Co.....	Washington, Ill.
Dr. Jatar's Eggofeed.....	Washington Mill and Elevator Co.....	Washington, Ill.
Hen Feed.....	Belleville Feed Mill.....	Belleville, Ill.
Boss Scratch Feed.....	Fulton Roller Mills.....	Fulton, Ill.
Sunflower Pigeon Feed.....	J. J. Badenoch Co.....	Chicago, Ill.
Nutro Hen Feed.....	National Oats Co (Corno Mills Co.).....	St. Louis, Mo.
Congress Hen Feed.....	Wiedlocher and Sons.....	Springfield, Ill.
Supreme Brand Scratch Feed.....	Bracy Supply Co.....	Marion, Ill.
Corno Hen Feed.....	The Corno Mills Co.....	St. Louis, Mo.

BREWERS' GRAINS AND MALT SPROUTS.

Brand.	Manufacturer or jobber.	Address.
Dried Brewers' Grains.....	Atlantic Export Company of Wis.....	Chicago, Ill.
Dried Grains.....	Birk Brothers Brewing Co.....	Chicago, Ill.
Brewers' Dried Grains.....	Borden's Condensed Milk Co.....	Elgin, Ill.
Brewers' Dried Grains.....	Consolidated Brewing Co.....	Chicago, Ill.
Brewers' Dried Refuse.....	Duluth Brewing and Malting Co.....	Duluth, Minn.
Dried Brewers' Grains.....	Donahue Stratton Co.....	Milwaukee, Wis.
Dried Brewers' Grains.....	Decatur Brewing Co.....	Decatur, Ill.

BREWERS' GRAINS AND MALT SPROUTS—Continued.

Brand.	Manufacturer or jobber.	Address.
Dried Brewers' Grains	Davenport Grains Drying Co.	Davenport, Ia.
Brewers' Dried Grains	Fortune Bros. Brewing Co.	Chicago, Ill.
Brewers' Dried Grains	George E. Franzen	Bensenville, Ill.
Dried Brewers' Grains	John Gund Brewing Company	La Crosse, Wis.
Dried Brewers' Grains	Independent Brewing Association	Chicago, Ill.
Brewers' Dried Grains	P. L. Kilpfel and Co.	Chicago, Ill.
Brewers' Dried Grains	Leisy Brewing Company	Peoria, Ill.
Brewers' Dried Grains	J. H. Murphy Feed Co.	Chicago, Ill.
Brewers' Dried Grains	McAvoy Brewing Co.	Chicago, Ill.
Brewers' Dried Grains	Roselle Mill and Lumber Co.	Roselle, Ill.
Brewers' Dried Grains	The Standard Brewery	Chicago, Ill.
Dried Brewers' Grains	The Peter Schoenhofen Brewing Co.	Chicago, Ill.
Brewers' Dried Grains	Western Brewery Co.	Belleville, Ill.
Brewers' Dried Grains	Dick and Bros. Quincy Brewing Co.	Quincy, Ill.
Peerless Dried Brewers' Grains	The Wacker and Birk Brg. & Mltg. Co.	Chicago, Ill.
Eagle A Brewers' Dried Grains	Ralston Purina Co.	St. Louis, Mo.
Goldnes Kalb Brewers' Dried Grains	K. and E. Neumond	St. Louis, Mo.
Crown Brewers' Dried Grains	Milwaukee Grain and Feed Co.	Milwaukee, Wis.
Schlitz Purity Dried Grains	Jos. Schlitz Brewing Co.	Milwaukee, Wis.
Biles Fourx (XXXX) Distillers		
Dried Grains	The Ubiko Milling Co.	Cincinnati, O.
Peerless Dried Brewers' Grains	M. A. Joshel	Geneva, Ill.
Holstein Dried Brewers' Grains	Heim Brewery	E. St. Louis, Ill.
Consumers Dried Brewers' Grains	Hammond Brewing Co.	Hammond, Ind.
Dried Grains	Rock Island Brewing Co.	Rock Island, Ill.
Dried Grains	Hottelot and Co.	Milwaukee, Wis.
Brewers' Grains	South Side Brewing Co.	Chicago, Ill.
Brewers' Grains	Joliet Citizens' Brewing Co.	Joliet, Ill.
Brewers' Grains	The Independent Breweries Co.	St. Louis, Mo.
Brewers' Grains	Cairo Brewing Co.	Cairo, Ill.
Brewers' Grains	The Home Brewery	Chicago, Ill.
Brewers' Grains	The E. R. Stege Brewery	Chicago, Ill.
Brewers' Grains	Illinois Vinegar Manufacturing Co.	Chicago, Ill.
Brewers' Grain Refuse	Pilsen Brewing Co.	Chicago, Ill.
Wet Grains	Garden City Brewery	Chicago, Ill.
Wet Grains	J. L. Hoerber Brg. Co.	Chicago, Ill.
Wet Grains	Anton Reck Brewing Co.	Alton, Ill.
Wet Grains	The Mutual Brewing Co.	Chicago, Ill.
Wet Grains	Bluff City Brewery	Alton, Ill.
Brewers' Wet Grains	Fred Sehrling Brewing Co.	Joliet, Ill.
Brewers' Wet Grains	Gipp Brewing Co.	Peoria, Ill.
Brewers' Wet Grains	William Gebhard	Morris, Ill.
Brewers' Wet Grains	George E. Franzen	Bensenville, Ill.
Brewers' Wet Grains	Elgin Eagle Brewing Co.	Elgin, Ill.
Brewers' Wet Grains	East St. Louis-New Athens Brewing Co.	New Athens, Ill.
Brewers' Wet Grains	Eagle Brewing Co.	Chicago, Ill.
Brewers' Wet Grains	J. H. Murphey Feed Co.	Chicago, Ill.
Brewers' Wet Grains	Manhattan Brewing Co.	Chicago, Ill.
Brewers' Wet Grains	Mullen Brewing Co.	Chicago, Ill.
Brewers' Wet Grains	National Brewing Co.	Chicago, Ill.
Brewers' Wet Grains	Rockford Brewing Co.	Rockford, Ill.
Brewers' Wet Grains	Reisch Brewing Co.	Springfield, Ill.
Brewers' Wet Grains	Ruff's Brewing Co.	Quincy, Ill.
Brewers' Wet Grains	The Ruehl Bros. Brewing Co.	Chicago, Ill.
Brewers' Wet Grains	Star Union Brewing Co.	Peru, Ill.
Brewers' Wet Grains	Schmich Bros.	Freeport, Ill.
Brewers' Wet Grains	The White Eagle Brewing Co.	Chicago, Ill.
Wet Brewers' Grains	Aurora Brewing Co.	Aurora, Ill.
Wet Brewers' Grains	Kewanee Brewing Co.	Kewanee, Ill.
Wet Brewers' Grains	Peru Beer Co.	Peru, Ill.
Wet Brewers' Grains	E. Porter Brewing Co.	Joliet, Ill.
Wet Brewers' Grains	Ernst Tosetti Brewing Co.	Chicago, Ill.
Wet Brewers' Grains	F. D. Radeke Brewing Co.	Kankakee, Ill.
Wet Brewers' Grains	Franz Bros. Brewing Co.	Freeport, Ill.
Malt Refuse	C. Eulberg & Sons	Galena, Ill.
Malt Refuse	The Waterloo Brewing Co.	Waterloo, Ill.
Malt Refuse	Star Brewing Co.	Belleville, Ill.
Malt Refuse	Ottawa Brewing Ass'n	Ottawa, Ill.
Malt Refuse	Millstadt Brewing Co.	Millstadt, Ill.
Malt Refuse	John S. Biefeldt Brewing Co.	Thornton, Ill.
Malt Refuse	Bassler Brewing Co.	Trenton, Ill.
Malt Sprouts	Albert Schwill & Co.	Chicago, Ill.
Malt Sprouts	The Standard Brewery	Chicago, Ill.
Malt Sprouts	Peoria Malting Co.	Peoria, Ill.
Malt Sprouts	McAvoy Brewing Co.	Chicago, Ill.
Malt Sprouts	The Mutual Brewing Co.	Chicago, Ill.
Malt Sprouts	Fortune Bros. Brewing Co.	Chicago, Ill.
Malt Sprouts	Consolidated Brewing Co.	Chicago, Ill.
Malt Sprouts	American Malting Co.	Chicago, Ill.
Brewers' Malt Sprouts	Duluth Brewing & Malting Co.	Duluth, Minn.
Dry Malt	Rudolph Stecher Brewing Co.	Murphysboro, Ill.

BREWERS' GRAINS AND MALT SPROUTS—Concluded.

Brand.	Manufacturer or Jobber.	Address.
Wet Malt.....	Mascoutah Brewing Co.....	Mascoutah, Ill.
Malt Grains.....	Maurice Pincoffs.....	Chicago, Ill.
Malt Waste.....	The American Brewing Co. of Pekin.....	Pekin, Ill.
Dried Brewers' Grains.....	W. L. Judd.....	St. Charles, Ill.
Malt Sprouts.....	M. Sieben.....	Chicago, Ill.
Brewers' Dried Grains.....	The Best Brewing Co. of Chicago.....	Chicago, Ill.
Malt Sprouts.....	The Fleischmann Malting Co.....	Chicago, Ill.
Brewers' Wet Grains.....	H. Piper.....	Chicago, Ill.
Wet Brewers' Grains.....	Popel-Giller Co.....	Warsaw, Ill.
Distillers' Wet Grains.....	E. P. Mueller.....	Chicago, Ill.
Brewers' Wet Grains.....	Fecker Brewing Co.....	Danville, Ill.
Brewers' Wet Grains.....	Waukegan Brewing Co.....	Waukegan, Ill.
Brewers' Wet Grains.....	Union Brewing Co.....	Peoria, Ill.
Brewers' Dried Grains.....	L. R. Jordon.....	Cloverdale, Ill.

HOMINY FEEDS, GLUTEN FEEDS, ETC.

Brand.	Manufacturer or Jobber.	Address.
Homco Feed.....	American Hominy Company.....	Indianapolis, Ind.
Homcoline Feed.....	American Hominy Company.....	Indianapolis, Ind.
Hominy Feed.....	Baltic Mills (J. & S. Emerson & Co. Props.).....	Vincennes, Ind.
Hominy Feed.....	Beaver Valley Milling Co.....	Des Moines, Ia.
Pure Corn Hominy Feed.....	Bishopp Hominy Co.....	Sheldon, Ill.
Hominy Feed.....	Consolidated Brewing Co.....	Chicago, Ill.
Hominy Feed.....	Z. R. Carter and Bro.....	Chicago, Ill.
Herendeen's Hominy Feed.....	Chas. Herendeen Milling Co.....	Chicago, Ill.
Badger Hominy Feed.....	Chas. A. Krause Milling Co.....	Milwaukee, Wis.
Peerless Hominy Feed.....	F. L. Kidder and Co.....	Paris, Ill.
Hominy Feed.....	Plymouth Milling Co.....	LeMars, Ia.
Hominy Feed.....	Pfeffer Milling Co.....	Lebanon, Ill.
Yellow Hominy Feed.....	The Quaker Oats Co.....	Chicago, Ill.
Diamond Corn Gluten Meal.....	Corn Products Refining Co.....	New York City, N. Y.
Buffalo Corn Gluten Feed.....	Corn Products Refining Co.....	New York City, N. Y.
Tiger Corn Oil Cake Meal.....	Corn Products Refining Co.....	New York City, N. Y.
Diamond Hog Meal.....	Corn Products Refining Co.....	New York City, N. Y.
Continental Gluten Feed.....	Continental Cereal Co.....	Peoria, Ill.
Heights Corn Oil Cake Meal.....	Chicago Heights Oil Manfg. Co.....	Chicago, Ill.
Clinton Corn Gluten Feed.....	Clinton Sugar Refining Co.....	Clinton, Ia.
Douglas Corn Gluten Feed.....	Douglas Company.....	Cedar Rapids, Ia.
Staley's Gluten Feed.....	A. E. Staley Manfg. Co.....	Decatur, Ill.
Hominy Feed.....	Paul Kuhn and Company.....	Marshall, Ill.
Acme Hominy Feed.....	Suffern-Hunt Mills.....	Decatur, Ill.
Hominy Feed.....	Engelke & Feiner Milling Co.....	St. Louis, Mo.
Hominy Feed.....	Nebraska Corn Mills.....	Lincoln, Neb.
Hominy Feed.....	New Baden Milling Co.....	New Baden, Ill.
Hominy Feed.....	Dixon Cereal & Feed Co.....	Dixon, Ill.
Melba Hominy Feed.....	J. H. Cain & Sons.....	Jacksonville, Ill.

COTTONSEED MEAL.

Brand.	Manufacturer or Jobber.	Address.
Acme Cottonseed Meal.....	American Milling Co.....	Peoria, Ill.
Red Tag Cottonseed Meal.....	The American Cotton Oil Co.....	New York, N. Y.
Buckeye Prime Cottonseed Meal.....	The Buckeye Cotton Oil Co.....	Cincinnati, Ohio.
Buckeye Prime Cottonseed Meal.....	The Buckeye Cotton Oil Co.....	Cincinnati, Ohio.
Pure Cotton Seed Meal.....	Robert B. Brown Oil Co.....	St. Louis, Mo.
Owl Brand Cotton Seed Meal.....	F. W. Brode & Co.....	Memphis, Tenn.
Good Luck Cotton Seed Meal.....	S. P. Davis.....	Little Rock, Ark.
Cotton Seed Meal.....	East St. Louis Cotton Oil Co.....	National Stock Yards, Ill.
Dixie Brand Cottonseed Meal.....	Humphreys Godwin Co.....	Memphis, Tenn.
Canary Brand Cottonseed Meal.....	D. H. Hicky & Co.....	Memphis, Tenn.
Imperial Cotto Brand Cotton Seed Meal.....	Imperial Cotto Milling Co.....	Chicago, Ill.
Canary Cottonseed Meal.....	Lanier Bros.....	Nashville, Tenn.
Cyclone Feed Meal.....	Memphis Cotton Hull & Fibre Co.....	Memphis, Tenn.
Cold Pressed Cottonseed Cake.....	Mississippi Delta Planting Co.....	Memphis, Tenn.
Red Tag Cottonseed Meal.....	National Feed Co.....	St. Louis, Mo.
Diamond "R" Cotton Seed Meal.....	Roberts Cotton Oil Co.....	Cairo, Ill.
Creamo Brand Cotton Seed Feed Meal.....	Tennessee Fibre Co.....	Memphis, Tenn.
Durjan Brand Cotton Seed Meal.....	Union Brokerage & Commission Co.....	Vicksburg, Miss.
Texoma.....	Texas Cake & Lintner Co.....	Dallas, Tex.
Silo Brand Special Quality Cotton Seed Meal or Cake.....	Osage Cotton Oil Co.....	Kansas City, Mo.
Equity Brand Cotton Seed Meal and Cake.....	Feeders Supply Co.....	Kansas City, Mo.
Tiger Brand Cotton Seed Meal.....	The Munn Brokerage Co.....	Little Rock, Ark.
American Red Tag Cotton Seed Meal.....	Union Seed & Fertilizer Co.....	New York City, N. Y.
Yellow Tag Choice Cotton Seed Meal.....	Union Seed & Fertilizer Co.....	New York City, N. Y.
Lovitt Brand Cottonseed Meal.....	L. B. Lovitt & Co.....	Memphis, Tenn.
Farmer Brand Cotton Seed Meal.....	J. E. Bartlett Co.....	Jackson, Mich.

LINSEED MEAL OR CAKE.

Brand.	Manufacturer or jobber.	Address.
Old Process Linseed Oil Meal	American Linseed Company	Chicago, Ill.
Cleveland Linseed Oil Meal	American Linseed Company	Chicago, Ill.
Hypo Linseed Oil Meal	American Linseed Company	Chicago, Ill.
Amco Old Process Linseed Meal	American Milling Company	Peoria, Ill.
Old Process Ground Oil Cake	Archer-Daniels Linseed Co.	Minneapolis, Minn.
Pure Old Process Linseed Meal	Robert B. Brown Oil Co.	St. Louis, Mo.
Old Process Oil Meal	Chicago Heights Oil Manufacturing Co.	Chicago, Ill.
Laxo Cake Meal	Chicago Heights Oil Manufacturing Co.	Chicago, Ill.
Old Process Ground Linseed Cake	William Goodrich Co.	Milwaukee, Wis.
Hirst & Begley's Ground Oil Cake	Hirst & Begley Linseed Co.	Chicago, Ill.
Pure Old Process Oil Meal	Spencer Kellogg & Sons, Inc.	Minneapolis, Minn.
Ground Oil Cake	Minnesota Linseed Oil Co.	Minneapolis, Minn.
Midland Brand Old Process Linseed Cake	Midland Linseed Products Co.	Minneapolis, Minn.
Pure Old Process Ground Linseed Cake	Northern Linseed Oil Co.	Minneapolis, Minn.
Ground Oil Cake	Red Wing Linseed Company	Red Wing, Minn.
S. W. C. Linseed Oil Meal	The Sherwin-Williams Co.	Cleveland, Ohio.
Ground Flax Seed	H. Trilling & Co.	Chicago, Ill.
Ground Linseed Cake Oil Meal	Washburn-Crosby Co.	Minneapolis, Minn.

ALFALFA MEAL.

Brand.	Manufacturer or jobber.	Address.
Amco Alfalfa Meal	American Milling Co.	Peoria, Ill.
Mealed Alfalfa	Cyphers Incubator Co.	Buffalo, N. Y.
Alfalfa Meal	The Albert Dickinson Co.	Chicago, Ill.
Alfalfa Hay	The Denver Alfalfa Milling & Products Co.	Hartman, Colo.
Red Comb Alfalfa Meal	Edwards & Loomis Co.	Chicago, Ill.
A. M. Alfalfa Meal	T. B. Hord Alfalfa Meal Co.	Central City, Neb.
Alfalfa Meal	Kornfalfa Feed Milling Co.	Kansas City, Mo.
Pure Alfalfa Meal	Nebraska Alfalfa Mill Co.	Lexington, Neb.
Alfalfa Meal	Omaha Alfalfa Milling Co.	Omaha, Neb.
Peter's Lucern Alfalfa Meal	M. C. Peters Mill Co.	Omaha, Neb.
Alfalfa Meal	The Wash. Co. Alfalfa M. F. & Milling Co.	Fort Calhoun, Neb.
Pure Dustless Alfalfa Meal	The Otto Weiss Alfalfa Stock Food Co.	Wichita, Kans.

TANKAGE, MEAT PRODUCTS AND POULTRY BONE.

Brand.	Manufacturer or jobber.	Address.
Armour's Granulated Bone	Armour Fertilizer Works	Chicago, Ill.
Armour's Blood Meal	Armour Fertilizer Works	Chicago, Ill.
Armour's Meat Meal	Armour Fertilizer Works	Chicago, Ill.
Bell Bros. Tankage	Bell Brothers	Oakland, Ill.
Meat Scraps	Cyphers Incubator Co.	Buffalo, N. Y.
Darling's Granulated Bone	Darling & Company	Chicago, Ill.
Darling's 40% Protein Digester Tankage	Darling & Company	Chicago, Ill.
Darling's 60% Protein Digester Tankage	Darling & Company	Chicago, Ill.
Darling's Meat Crisps	Darling & Company	Chicago, Ill.
Darling's Standard Meat Scraps	Darling & Company	Chicago, Ill.
Darling's High Protein Meat Scraps	Darling & Company	Chicago, Ill.
International Feeding Tankage	International Sugar Feed Co.	Minneapolis, Minn.
Sure Fatten Hog Food Tankage	Jacksonville Reduction Co.	Jacksonville, Ill.
Klein's Digester Tankage	Frank W. Klein	Streator, Ill.
Bone and Meat Poultry Food	John T. LaForge & Sons	Rockford, Ill.
Big Brand Meat Scraps	Morris & Company	Chicago, Ill.
Big Sixty Meat Meal Digester Tankage	Morris & Company	Chicago, Ill.
Big Forty Meat Meal Digester Tankage	Morris & Company	Chicago, Ill.
Roger's Beef Scraps	The A. Rogers Company	Aurora, Ill.
Roger's Tankage	The A. Rogers Company	Aurora, Ill.
Swift's Digester Tankage	Swift & Company	Chicago, Ill.
Swift's Meat Meal	Swift & Company	Chicago, Ill.
Swift's Soluble Blood Flour	Swift & Company	Chicago, Ill.
Swift's Poultry Bone	Swift & Company	Chicago, Ill.
Swift's Meat Scraps	Swift & Company	Chicago, Ill.
Swift's Ideal Poultry Food	Swift & Company	Chicago, Ill.
Swift's Blood Meal	Swift & Company	Chicago, Ill.
Swift's Beef Meal	Swift & Company	Chicago, Ill.
Sulzberger's High Protein Tankage	Sulzberger & Sons Company	Chicago, Ill.
Sulzberger's High Protein Meat Scrap	Sulzberger & Sons Company	Chicago, Ill.
Sulzberger's Poultry Bone	Sulzberger & Sons Company	Chicago, Ill.
Hog Digester	Wilson Provision Company	Peoria, Ill.

TANKAGE, MEAT PRODUCTS AND POULTRY BONE—Concluded.

Brand.	Manufacturer or jobber.	Address.
Switzer Pig Feed.....	Fertilizer Co. of Paris.....	Paris, Ill.
Pure Tankage.....	Fertilizer Co. of Paris.....	Paris, Ill.
Digester Tankage.....	Danzelsen Packing Co.....	Decatur, Ill.
Digester Tankage.....	Jacksonville Packing Co.....	Jacksonville, Ill.

MEDICINAL STOCK FOODS.

Brand.	Manufacturer or jobber.	Address.
Blatchford's Genuine Old English Tonic & Regulator.....	J. W. Barwell.....	Waukegan, Ill.
Blatchford's Sugar & Flaxseed.....	J. W. Barwell.....	Waukegan, Ill.
Baker's Condition Powder.....	S. F. Baker and Co.....	Keokuk, Ia.
Burdick's Renovating Salt.....	Dr. J. H. Burdick.....	Sandwich, Ill.
Nutritone.....	W. D. Carpenter Co.....	Syracuse, N. Y.
Dunnington's Stock Food.....	Dunnington Stock Food Co.....	Washington, Ill.
Dr. Donald's Stock & Poultry Food.....	Dr. T. A. Donald.....	Lincoln, Ill.
Oakley's Medicated Salt in Raw Linseed Oil.....	Diamond Veterinary Remedy Co.....	La Grange, Ill.
Uncle Sam's Condition Powder.....	Emmert Proprietary Co.....	Chicago, Ill.
F. W. McNess Stock Food.....	Furst-McNess Co.....	Freeport, Ill.
Eagle Brand Stock Food.....	Charles Geng and Sons.....	Chicago, Ill.
Dr. Hess' Stock Tonic.....	Drs. Hess and Clark.....	Ashland, O.
Success Stock Tonic.....	Hitchcock-Hill Co.....	Chicago, Ill.
K. K. Conditioner.....	Home Medicine Co.....	Dallas City, Ill.
Illinois Stock Food.....	Illinois Stock Food Co.....	Paris, Ill.
Joselyn's Hog Powder.....	Ed. S. Joselyn.....	Rockwell City, Ia.
Buckeye Stock Powder.....	Loverin and Browne Co.....	Chicago, Ill.
Moorman's Special Cattle Powder.....	Moorman Manufacturing Co.....	Quincy, Ill.
Moorman's Concentrated Horse Powder.....	Moorman Manufacturing Co.....	Quincy, Ill.
Twentieth Century Stock Remedy.....	Judd McGowan.....	Clinton, Ill.
Robinson's S R Stock Tonic.....	Robinson Royal Remedy Co.....	Carmt, Ill.
Weich's Reliable Live Stock Regulator.....	Reliable Live Stock Remedy Co.....	Chicago, Ill.
Prof. Gray's Stock Tonic.....	John Sexton and Company.....	Chicago, Ill.
Union Horse and Cattle Powder.....	Harvey K. Schell.....	Polo, Ill.
Eureka Stock Food.....	Shrader Drug Co.....	Iowa City, Ia.
Blood Tonic.....	Soudan Specialty Manufacturing Co.....	Milwaukee, Wis.
4 D Stock Powder.....	George Zinn.....	Bloomington, Ill.
Pilgrim's Calf Meal.....	Montgomery Ward and Co.....	Chicago, Ill.
Pilgrim's Stock Tonic.....	Montgomery Ward and Co.....	Chicago, Ill.
Wilbur Stock Tonic.....	Wilbur Stock Food Co.....	Milwaukee, Wis.
Wilson's Stockfood Medicine.....	Willson Bros. Monarch Laboratory.....	Edgerton, Wis.
Blackhawk Tonic.....	Waterloo Chemical Works.....	Freeport, Ill.
Blatchford's Calf Meal.....	J. W. Barwell.....	Waukegan, Ill.
Blatchford's Pig Meal.....	J. W. Barwell.....	Waukegan, Ill.
International Groatst Calf Meal.....	International Stock Food Co.....	Minneapolis, Minn.
Martin's Calf Feed.....	John C. Martin and Co.....	Mineral Point, Wis.
O. K. Stock Food.....	The O. K. Stock Food Co.....	Chicago, Ill.
Dr. David Roberts' Calf Meal.....	Dr. David Roberts Veterinary Co.....	Waukesha, Wis.
Rydes Cream Calf Meal.....	Ryde and Company.....	Chicago, Ill.
Honey Suckle Calf Meal.....	W. S. Rhoads Advance Manfg. Co.....	Yorkville, Ill.
Dried Beet Pulp.....	The Larrowe Milling Co.....	Detroit, Mich.
Rawleigh's Stock Tonic.....	The W. T. Rawleigh Medical Co.....	Freeport, Ill.
Blatchford's Genuine Old English Tonic and Regulator.....	Blatchford Calf Meal Factory.....	Waukegan, Ill.
Security Calf Food Compound.....	Security Remedy Co.....	Minneapolis, Minn.
National Horse & Cattle Powder.....	National Live Stock Remedy Co.....	Chicago, Ill.
Wright's Horse & Cattle Powder.....	George W. Wright.....	Dunkirk, N. Y.
Crescent Hog Conditioner.....	Crescent Remedy Co.....	Genoa, Ill.
Crescent Stock Conditioner.....	Crescent Remedy Co.....	Genoa, Ill.
Kalo Steer Tonic.....	Kalo Stock Remedy Co.....	Quincy, Ill.
Kalo Hog Tonic.....	Kalo Stock Remedy Co.....	Quincy, Ill.
Sleekene.....	G. C. Hanford Mfg. Co.....	Syracuse, N. Y.

MEDICINAL POULTRY FOODS.

Brand.	Manufacturer or jobber.	Address.
Busch's Poultry Laying Tonic.....	The Busch Remedy Co., Inc.....	Evansville, Ind.
Sanford Egg Producer.....	F. S. Burch and Co.....	Chicago, Ill.
Fleck's Poultry Powder.....	J. J. Fleck.....	Tiffin, Ohio.
Dr. Hess' Poultry Pan-a-ces.....	Drs. Hess and Clark.....	Ashland, Ohio.
Success Poultry Tonic.....	Hitchcock-Hill Co.....	Chicago, Ill.
Eg-O Milk Albumen.....	Innis Speiden and Co.....	Chicago, Ill.
Joselyn's Chicken Powder.....	Ed. S. Joselyn.....	Rockwell City, Ia.
Chickena.....	Loverin and Browne Co.....	Chicago, Ill.
Lee's Egg Maker.....	George H. Lee Co.....	Omaha, Nebr.
Dr. David Roberts' Poultry Tonic.....	Dr. David Roberts Veterinary Co.....	Waukesha, Wis.
Prof. Gray's Poultry Tonic.....	John Sexton and Co.....	Chicago, Ill.
Pilgrim Egg Mash.....	Montgomery Ward & Co.....	Chicago, Ill.
Pilgrim's Poultry Tonic.....	Montgomery Ward & Co.....	Chicago, Ill.
Wilbur Egg Tonic.....	Wilbur Stock Food Co.....	Milwaukee, Wis.

MEDICINAL POULTRY FOODS—Concluded.

Brand.	Manufacturer or jobber.	Address.
Willson's Poultry Food Tonic.....	Willson Bros. Monarch Laboratory..	Edgerton, Wis.
Blatchford's Milk Mash for Poultry..	J. W. Barwell.....	Waukegan, Ill.
Blatchford's Fill The Basket Egg Mash	J. W. Barwell.....	Waukegan, Ill.
O. K. Poultry Food.....	The O. K. Stock Food Co.....	Chicago Ill.
Pratt's Baby Chick Food.....	Pratt Food Co	Philadelphia, Pa.
Rawleigh's Poultry Powder.....	The W. T. Rawleigh Medical Co.....	Freeport, Ill.
F. W. McNess Poultry Food.....	Furst-McNess Co.....	Freeport, Ill.
F. W. McNess Poultry Tonic.....	Furst-McNess Co.....	Freeport, Ill.
Egge.....	W. H. Metzger Manfg. Co.....	Quincy, Ill.

ACTIVITIES OF THE ATTORNEY.

Entering upon his duties August 1 as attorney for the department, Mr. James McCarthy found an accumulation of cases deemed by the department of sufficient cause for prosecution. A great number of these had become outlawed by reason of not being started within the six months period provided by the statute. The department being without the services of an attorney for some time, this was unavoidable and necessitated these cases being dismissed. Prosecutions were started promptly on the balance, with the results as are shown in the table of suits settled by convictions or otherwise and suits pending.

The work of this department is steadily increasing, particularly in the number of contested cases. There have been prepared and prosecuted, through the courtesy of the State's attorney, all of the department cases in Cook County, and assistance has been given the State's attorneys in the various counties with effect and results.

There was also a large number of suits started and pending in which the witnesses, the inspectors and the chemists had left this department, making it impossible to obtain them as witnesses in the trials of these cases. These suits we were compelled to dismiss when reached for trial.

SUITS DISPOSED OF BY CONVICTION OR OTHERWISE.

No.	Illegal sale of	Defendant.	Doing business as.	City or village.
F 204	Wine vinegar	Egisto Zaranini et al.	Zaranini & Pozzi	Cherry
I 97	Ice cream	Peter Apostie et al.	Apostie Bros.	Taylorville
H 164	Oleomargarine	P. Hanson	West Side Coffee Store	Chicago
I 49	Oleomargarine	John A. Sanders	do	do
I 178	Oleomargarine	E. G. Sprague	do	do
K 111	Oleomargarine	Fred Holmberg	do	do
K 104	Oleomargarine	Gus Krueger	do	do
I 180	Oleomargarine	Edward F. Keil	West Side Coffee Store	do
E 60	Oleomargarine	do	Edward F. Keil	do
E 50	Oleomargarine	do	Sycamore Coffee Store	do
C 90	Oleomargarine	do	do	do
E 54	Oleomargarine	Robert H. Uber	do	do
A 19	Oleomargarine	Albert J. Uber et al.	Uber Bros.	do
A 21	Oleomargarine	Agnes Meister	do	do
A 22	Oleomargarine	F. J. Dolzal	F. J. Dolzal	do
E 24	Oleomargarine	James Fraser	do	do
E 24	Oleomargarine	B. J. Balch	B. J. Balch	do
E 36	Oleomargarine	New City Produce Co	New City Produce Co	do
K 100	Oleomargarine	Jorgenson Tea Co	Jorgenson Tea Co	do
I 111	Extract of lemon	M. E. Swart Co	M. E. Swart Co	do
J 184	Oleomargarine	Bales Grudzinski	Bales Grudzinski	do

I 52 Oleomargarine	Peter Drijie	Peter Drijie	do
I 54 Oleomargarine	C. E. Craft	Sycamore Creamery	do
A 329 Twenty-eight cases shell eggs	C. H. Weaver & Co	C. H. Weaver & Co	do
A 330 Twenty-eight cases shell eggs	do	do	do
A 338 One case shell eggs	H. Rothenberg et al	H. Rothenberg & Co.	do
A 339 Liquid eggs	do	do	do
H 744 Oleomargarine	New City Produce Co.	New City Produce Co.	do
C 218 Oleomargarine	do	do	do
K 428 Oleomargarine	do	do	do
C 231 Oleomargarine	do	do	do
C 234 Oleomargarine	do	do	do
I 403 Oleomargarine	do	do	do
K 424 Oleomargarine	Fred Holmberg	Garden City Butter Store	do
C 232 Oleomargarine	do	do	do
H 742 Oleomargarine	do	do	do
B 319 Oleomargarine	P. Hansen	do	do
H 740 Oleomargarine	do	do	do
H 743 Oleomargarine	Edward F. Kell	West Side Coffee Store	do
I 402 Oleomargarine	do	Sycamore Coffee Store	do
I 400 Oleomargarine	do	West Side Coffee Store	do
K 430 Oleomargarine	do	Sycamore Coffee Store	do
I 398 Oleomargarine	do	do	do
B 317 Oleomargarine	do	do	do
B 318 Oleomargarine	A. M. Bau	do	do
J 381 Oleomargarine	R. B. Singer	A. M. Bau	do
K 425 Oleomargarine	Gus J. Sylvester	R. B. Singer	do
K 426 Oleomargarine	B. J. Balch	Sylvester & Co.	do
K 427 Oleomargarine	Lulu M. Linden	B. J. Balch	do
K 422 Oleomargarine	Emil C. Benke	The Linden Tea Co.	do
H 730 Oleomargarine	do	Garden City Creamery	do
B 292 Oleomargarine	do	do	do
B 291 Oleomargarine	do	do	do
I 169 Four hundred and fifty sacks of flour	Peter Viviano et al	Viviano Bros	do
A 292 Sour cream	Sam Sakolsky	Sam Sakolsky	do
A 294 Special sour cream	Benj. Margolin et al	Margolin & Vasseman	do
A 297 Sour cream	Louis Rosen	Louis Rosen Dairy	do
A 301 Sour cream	M. Turbov	M. Turbov	do
A 303 Sour cream	Sam Weinstein	Sam Weinstein	do
A 313 Sour milk	H. Rosenthal	H. Rosenthal	do
A 314 Sour cream	do	do	do
A 324 Sour cream	Milwaukee Dairy Co.	Milwaukee Dairy Co.	do
B 63 Eggs	D. Cohen et al	Cohen & Markowitz	do
A 312 Sour cream	H. Rosenthal	H. Rosenthal	do
A 293 Butter cream	Sam Sakolsky	Sam Sakolsky	do
I 179 Thirty boxes macaroni	The Garibaldi Co.	The Garibaldi Co.	do
A 286 Sour milk	Meyer Seamans	Meyer Seamans	do
A 288 Sour cream	do	do	do
A 300 Sour cream	M. Turbov	M. Turbov	do
A 315 Sour cream	J. Levin	J. Levin	do
A 318 Special cream	Joe Shifris	Joe Shifris	do

A 330 Cook	167 W. S. Water st.	Dismissed by dep't. attorney. U. S. Inspectors have seized this lot of eggs.
A 338 Cook	312 W. S. Water st.	Cause came up for trial. Defendant fined \$15.00 and costs.
A 339 Cook	do.	Dismissed by department attorney.
H 744 Cook	4741 S. Ashland av.	Dismissed on payment of costs. Witnesses not available.
C 218 Cook	3024 Lincoln av.	Dismissed on payment of costs. Witnesses not available.
K 498 Cook	3503 S. Halsted st.	Dismissed on payment of costs. Witnesses not available.
C 231 Cook	do.	Dismissed on payment of costs. Witnesses not available.
C 234 Cook	4741 S. Ashland av.	Dismissed on payment of costs. Witnesses not available.
I 403 Cook	3024 Lincoln av.	Cause came up for trial. Defendant fined \$30.00 and costs.
K 424 Cook	3510 S. Halsted st.	Defendant fined \$30.00 and costs.
C 232 Cook	do.	Dismissed on payment of costs. Witnesses not available.
H 742 Cook	do.	Dismissed on payment of costs. Witnesses not available.
B 319 Cook	1213 S. Halsted st.	Dismissed on payment of costs. Witnesses not available.
H 740 Cook	1336 Milwaukee av.	Cause came up for trial. Defendant fined \$30.00 and costs.
H 743 Cook	6323 S. Ashland av.	Dismissed by department attorney. Witnesses not available.
I 402 Cook	1336 Milwaukee av.	Dismissed by department attorney. Witnesses not available.
I 400 Cook	1213 S. Halsted st.	Dismissed by department attorney. Witnesses not available.
K 480 Cook	1354 S. Halsted st.	Dismissed by department attorney. Witnesses not available.
I 399 Cook	1846 Blue Island av.	Dismissed by department attorney. Witnesses not available.
B 317 Cook	do.	Cause came up for trial. Defendant fined \$50.00 and costs.
B 318 Cook	1354 S. Halsted st.	Dismissed by department attorney. Witnesses not available.
J 381 Cook	714 E. 63d st.	Dismissed by department attorney. Witnesses not available.
K 425 Cook	6132 S. Halsted st.	Dismissed on payment of costs. Witnesses not available.
K 426 Cook	3553 S. Halsted st.	Dismissed on payment of costs. Witnesses not available.
K 427 Cook	3502 S. Halsted st.	Dismissed on payment of costs. Witnesses not available.
K 422 Cook	6351 S. Halsted st.	Dismissed on payment of costs. Witnesses not available.
H 730 Cook	9111 Commercial av.	Judge refused to allow informations to be filed.
B 292 Cook	do.	Judge refused to allow informations to be filed.
B 291 Cook	do.	Condemned and confiscated.
I 169 Cook	2148 Canalport av.	Cause came up for trial. Defendant fined \$15.00 and costs.
A 292 Cook	1512 W. 14th st.	Defendant fined \$15.00 and costs.
A 294 Cook	1407 Milwaukee av.	Defendant fined \$15.00 and costs.
A 297 Cook	1353 S. Sangamon st.	Cause came up for trial. Defendant fined \$15.00 and costs.
A 301 Cook	1156 Albany av.	Defendant fined \$15.00 and costs.
A 303 Cook	3515 W. 12th st.	Cause came up for trial. Defendant fined \$15.00 and costs.
A 313 Cook	1334 S. Union av.	Cause came up for trial. Defendant fined \$15.00 and costs.
A 314 Cook	do.	Dismissed by department attorney. Witnesses not available.
A 324 Cook	1404 S. Union av.	Dismissed by department attorney. Witnesses not available.
B 63 Cook	1743 Grand av.	Cause came up for trial. Defendant fined \$25.00 and costs.
A 312 Cook	1334 S. Union av.	Defendant fined \$25.00 and costs.
A 323 Cook	1512 W. 14th st.	Cause came up for trial. Defendant fined \$15.00 and costs.
I 179 Cook	230 N. LaSalle st.	Defendant fined \$15.00 and costs.
A 296 Cook	609 Maxwell st.	Dismissed by department attorney.
A 298 Cook	do.	Dismissed by department attorney.
A 300 Cook	1126 Albany av.	Cause came up for trial. Defendant fined \$15.00 and costs.
A 308 Cook	1104 S. Paulina st.	Dismissed by department attorney.
A 315 Cook	3347 W. 12th st.	Dismissed by department attorney.
A 318 Cook	do.	Cause came up for trial. Defendant fined \$15.00 and costs.
A 319 Cook	335 Hermitage av.	Defendant fined \$25.00 and costs.
A 320 Cook	do.	Defendant fined \$25.00 and costs.
A 333 Cook	4527 S. Marshfield av.	Cause came up for trial. Defendant fined \$15.00 and costs.

SUITS DISPOSED OF BY CONVICTION OR OTHERWISE—Concluded.

No.	County.	Street address.	Disposition.
A 335	Cook	454 S. Paulina st.	Dismissed by department attorney.
A 105	Kankakee	.....	Nolle prossed by State's attorney.
A 101	Kankakee	.....	Nolle prossed by State's attorney.
B 95	Lake	113 N. Genesee st.	Cause came up for trial. Defendant found not guilty.
A 237	Lake	.....	Condemned and confiscated.
K 401	Macon	337 S. Oakland av.	Cause came up for trial. Defendant fined \$15.00 and costs.
J 13	Peoria	901-1st st.	Cause came up for trial. Defendant fined \$50.00 and costs.
E 159	Richland	.....	Nolle prossed by the State's attorney.

SUITS PENDING.

No.	Illegal sale of	Defendant.	Doing business as.	City or village.	County.	Street address.
G 79	Cream	Reuben Henderson	Reuben Henderson	Beardstown	Cass	.....
D 69	Cider vinegar	Western Fruit Products Co.	Western Fruit Products Co.	Flora	Clay	.....
H 923	Maple sugar	Fred Rider et al.	Rider Bros. Grocery	Mattoon	Ogle	.....
H 1329	Milk	E. A. Jones	.....	Ida	.....	2316 Champaign st.
I 117	Ice cream	W. J. Duffinbaugh	W. J. Duffinbaugh	Ida	.....	.....
F 296	Wine vinegar	J. O. Davis	.....	Ida	.....	3002 Western av.
A 376 et al.	40 cases shell eggs	Emil Loukh	Italian & Greek Products Co.	Chicago	Cook	1518 S. Wabash av.
F 200	40 cases shell eggs	C. H. Weaver & Co.	C. H. Weaver & Co.	Ida	.....	67 W. S. Water st.
A 290-291	Sour cream	S. Schmitz	S. Schmitz	Ida	.....	67 W. S. Water st.
A 321	Sour cream	Western Dairy Co.	Western Dairy Co.	Ida	.....	1459 W. 13th st.
A 321	Butter cream	H. Pfeil	H. Pfeil	Ida	.....	1459 W. 13th st.
A 238	Sour cream	E. Tobin & Co.	E. Tobin & Co.	Ida	.....	3427 W. 12th st.
A 317-318	Sour cream	Schiff & Ribback	Schiff & Ribback	Ida	.....	3427 W. 12th st.
D 176	Milk	John Green	John Green	Ida	.....	3427 W. 12th st.
D 177	Milk	H. Radde	H. Radde	Hillview	Greene	.....
A 188	Sanitary conditions	Edward Solberg	Edward Solberg	Elgin	Kane	R. F. D. No. 5.
K 8466	Milk	Jacob Maurer	Jacob Maurer	Pontiac	Livingston	119 N. Mill st.
A 8477	Milk	Wm. Hence	Wm. Hence	Kaufman	Madison	.....
G 129	Strawberry pop	Tri-City Bottling Works	Tri-City Bottling Works	Venice	Ida	.....
D 194	Milk	Daniel Joiner	Daniel Joiner	Troy	Ida	.....
D 195	Milk	Jacob Portz	Jacob Portz	Ida	Ida	.....
D 191	Milk	Wm. Rauch	Wm. Rauch	Ida	Ida	.....
D 200	Oleomargarine	Charles R. Young	Charles R. Young	Ida	Ida	.....
D 239	Oleomargarine	Harry G. Bricker	Harry G. Bricker	Granite City	Ida	.....
D 214	Process butter	Weldon Produce Co.	Weldon Produce Co.	Centralla	Marion	.....
E 7855	Lemon extract	Ganson & Rengstorff	Ganson & Rengstorff	Havana	Mason	.....

K	68-41	Sanitary conditions	M. A. Gerkin Bakery	M. A. Gerkin Bakery	Bloomington	McLean	118 E. Front st.
K	645	Sanitary conditions	Henry Habecker	Henry Habecker	do.	do.	608 W. Monroe st.
K	30	Sanitary conditions	John Jacobs	John Jacobs	do.	do.	512 E. Grove st.
K	57	Sanitary conditions	Fred Bond	Fred Bond	do.	do.	105 W. Front st.
K	104	Sanitary conditions	M. A. Gerkin	M. A. Gerkin	do.	do.	118 E. Front st.
G	194	Milk	C. W. Kruse	C. W. Kruse	Peoria	Peoria	550 Knoxville av.
L	186	Vanilla ice cream	Thellig Ice Cream Co.	Thellig Ice Cream Co.	do.	do.	403 Prairie st.
J	14	Butterine	O. F. Smith	Penny Grocery Co.	do.	do.	213 Main st.
J	96	Ice cream	Tueo, Reinders	Tueo, Reinders	do.	do.	Glen Oak Park Pavilion.
J	102	Ice cream	Mrs. J. E. Winkelmeier	Mrs. J. E. Winkelmeier	do.	do.	417 Smith st.
J	94	Ice cream	G. B. Boria	G. B. Boria	do.	do.	7112 S. Adams st.
J	91	Ice cream	O. H. Hiltrop	O. H. Hiltrop	do.	do.	5527 S. Adams st.
J	84	Ice cream	Louis Holliday	Louis Holliday	do.	do.	296 Humbolt st.
J	85	Ice cream	F. J. Meyer	F. J. Meyer	do.	do.	2939 S. Adams st.
J	82	Ice cream	W. F. Kissner	W. F. Kissner	do.	do.	223 Garden st.
J	348	Ice cream	Thomas Huxtable	Thomas Huxtable	do.	do.	3608 S. Adams st.
J	283	Distilled vinegar	F. R. Kushman	F. R. Kushman	Rock Island	Rock Island	2207 4th av.
B	283	Cider vinegar	F. J. Hodges	F. J. Hodges	do.	do.	611 4th av.
B	287	Cider vinegar	Henry Lange	Henry Lange	do.	do.	2706 7th av.
B	283	Sugar vinegar	F. J. Hodges	F. J. Hodges	do.	do.	611 4th av.
B	281	Sugar vinegar	do.	do.	do.	do.	611 4th av.
B	286	Sugar vinegar	Henry Lange	Henry Lange	do.	do.	2706 7th av.
L	276	Milk	O. B. Kamp	O. B. Kamp	do.	do.	2706 7th av.
L	4	Sanitary conditions	W. H. Richter	W. H. Richter	Sangamon	Sangamon	1530 East S. Grand av.
B	44	Sanitary conditions	Morris Glaser	Morris Glaser	do.	do.	N. E. cor. 9th & Reynolds sts.
I	44	Sanitary conditions	C. J. Franks	C. J. Franks	do.	do.	1031 E. Madison st.
I	337	Sanitary conditions	do.	do.	do.	do.	909 E. Adams st.
I	66-67	Ice cream	Leo Ciaccio & Jos. Ciaccio	Leo Ciaccio & Jos. Ciaccio	do.	do.	925 E. Washington st.
I	68	Ice cream	C. Cambria	C. Cambria	do.	do.	905 E. Washington st.
I	70	Ice cream	J. A. Barnett	J. A. Barnett	do.	do.	215 E. Broadway.
I	100	Ice cream	Mrs. Ozie Smith	Mrs. Ozie Smith	Shelby	Shelby	202 E. Broadway.
I	22	Sanitary conditions	Nellie Cox	Nellie Cox	St. Clair	St. Clair	3600 St. Clair av.
D	44	Sanitary conditions	Wurth Bros.	Wurth Bros.	do.	do.	
D	406	Cream	L. D. Wood	L. D. Wood	do.	do.	
J	1-2	Milk	do.	do.	Hoopeston	Hoopeston	
A	3-4	Milk	Anton Koleske	Anton Koleske	Vermilion	Vermilion	
A	231	Diseased beef	do.	do.	do.	do.	
A			Anton Koleske	Anton Koleske	Rockford	Rockford	Edwards & Weldon sts.
A			do.	do.	Winnebago	Winnebago	

STANDARDS ADOPTED BY THE STATE FOOD STANDARD COMMISSION IN FORCE JANUARY 1, 1915.

PRINCIPLES ON WHICH STANDARDS ARE BASED.

1. The standards are expressed in the form of definitions.
2. Any substance not included in the definition of an article is excluded.
3. The name of an article wherever used in any definition, always has the meaning given to it in the definition of that article by this commission.

STANDARDS FOR FOOD PRODUCTS.

I. ANIMAL PRODUCTS.

A. MEATS AND THE PRINCIPAL MEAT PRODUCTS.

MEATS.

1. MEAT, FLESH, is any clean, sound, dressed, and properly prepared edible part of animals in good health at the time of slaughter, and if it bears a name descriptive of its kind, composition, or origin, it corresponds thereto. The term "animals," as herein used, includes not only mammals, but fish, fowl, crustaceans, mollusks, and all other animals used for food.
2. FRESH MEAT is meat from animals recently slaughtered and properly cooled until delivered to the consumer.
3. COLD STORAGE MEAT is meat from animals recently slaughtered and preserved by refrigeration until delivered to the consumer.
4. SALTED, PICKLED, AND SMOKED MEATS are unmixed meats preserved by salt, sugar, spices, vinegar, or smoke, singly or in combination, whether in bulk or in suitable containers.

MANUFACTURED MEATS.

1. MANUFACTURED MEATS are not included in paragraphs 2, 3, and 4, whether simple or mixed, whole or comminuted, in bulk or in suitable containers, with or without the addition of salt, sugar, vinegar, spices, smoke, oils, or rendered fat. If they bear names descriptive of kind, composition, or origin, they correspond thereto, and when bearing such descriptive names, if force or flavoring meats are used, the kind and quantity thereof are made known.

LARD.

1. LARD is the rendered fresh fat from hogs in good health at the time of slaughter; is clean, free from rancidity, and contains necessarily incorporated in the process of rendering, not more than one (1) per cent of substances other than fatty acids and fat.
2. LEAF LARD is lard rendered at moderately high temperatures from the internal fat of the abdomen of the hog, excluding that adherent to the intestines, and has an iodine number not greater than sixty (60).
3. NEUTRAL LARD is lard rendered at low temperature.

B. MILK PRODUCTS.

MILKS.

1. **BLENDED MILK** is milk modified in its composition so as to have a definite and stated percentage of one or more of its constituents.

2. **SKIM MILK** is milk from which a part or all of the cream has been removed, and contains not less than nine and one-quarter (9.25) per cent of milk solids.

3. **PASTEURIZED MILK** is milk that has been heated below boiling but sufficiently to kill most of the active organisms present, and immediately cooled to 50° Fahr. or lower.

4. **STERILIZED MILK** is milk that has been heated at the temperature of boiling water or higher for a length of time sufficient to kill all organisms present.

5. **CONDENSED SKIM MILK** is skim milk from which a considerable portion of water has been evaporated.

6. **BUTTERMILK** is the product that remains when butter is removed from milk or cream in the process of churning.

7. **GOATS' MILK, EWES' MILK, ET CETERA**, are the fresh, clean lacteal secretions, free from colostrum, obtained by the complete milking of healthy animals other than cows, properly fed and kept, and conform in name to the species of animal from which they are obtained.

8. **EVAPORATED MILK, UNSWEETENED CONDENSED MILK**, is milk from which a considerable portion of the water has been evaporated and contains not less than seven and eight-tenths per cent (7.8%) of milk fat, and not less than twenty-five and five-tenths per cent (25.5%) of total milk solids.

MILK FAT OR BUTTER FAT.

1. **MILK FAT, BUTTER FAT**, is the fat of milk and has a Reichert-Meissl number not less than twenty-four (24) and a specific gravity not less than 0.905 40° C.

BUTTER.

1. **BUTTER** is the clean, non-rancid product made by gathering in any manner the fat of fresh or ripened milk or cream into a mass, which also contains a small portion of the other milk constituents, with or without salt, and contains not less than eighty-two and five-tenths (82.5) per cent of milk fat. The addition of harmless coloring matter is permitted.

2. **RENOVATED BUTTER, PROCESS BUTTER**, is the product made by melting butter and reworking, without the addition or use of chemicals or any substances except milk, cream or salt, and contains not more than sixteen (16) per cent of water and at least eighty-two and five-tenths (82.5) per cent of milk fat. The addition of harmless coloring matter is permitted.

CHEESE.

1. **CHEESE** is the sound, solid, and ripened product made from milk or cream by coagulating the casein thereof with rennet or lactic acid, with or without the addition of ripening ferments and seasoning, and contains, in the water-free substance, not less than fifty (50) per cent of milk fat. The addition of harmless coloring matter is permitted.

2. **SKIM MILK CHEESE** is the sound, and ripened product made from skim milk by coagulating the casein thereof with rennet or lactic acid, with or without the addition of ripening ferments and seasoning. The addition of harmless coloring matter is permitted.

3. **GOAT'S MILK CHEESE, EWES' MILK CHEESE, ET CETERA**, are the sound, ripened products made from the milks of the animals specified, by coagulating the casein thereof with rennet or lactic acid, with or without the addition of ripening ferments and seasoning. The addition of harmless coloring matter is permitted.

ICE CREAM.

Ice cream is a frozen substance, made from cream, or milk and cream, and sugar, with or without the addition of such other wholesome substances as have customarily* been used in making ice cream, and contains not less than eight per cent (8%) milk fat, and manufactured, stored, distributed and dispensed in a sanitary manner.

MISCELLANEOUS MILK PRODUCTS.

1. **WHEY** is the product remaining after the removal of fat and casein from milk in the process of cheese making.

2. **KUMISS** is the product made by the alcoholic fermentation of mare's or cow's milk.

II. VEGETABLE PRODUCTS.

A. GRAIN PRODUCTS.

GRAINS AND MEALS.

1. **GRAIN** is the fully matured, clean, sound, air dry seed of wheat, maize, rice, oats, rye, buckwheat, barley, sorghum, millet, or spelt.

2. **MEAL** is the clean, sound product made by grinding grain.

3. **FLOUR** is the clean, fine, sound product made by bolting wheat meal and contains not more than thirteen and one-half (13.5) per cent of moisture, not less than one and twenty-five hundredths (1.25) per cent of nitrogen, and not more than one (1) per cent of ash, and not more than fifty-hundredths (0.50) per cent of fiber.

4. **GRAHAM FLOUR** is unbolted wheat meal.

5. **GLUTEN FLOUR** is the clean, sound product made from flour by the removal of starch and contains not less than five and six-tenths (5.6) per cent of nitrogen and not more than ten (10) per cent of moisture.

6. **MAIZE MEAL, CORN MEAL, INDIAN CORN MEAL**, is meal made from sound maize grain and contains not more than fourteen (14) per cent of moisture, not less than one and twelve-hundredths (1.12) per cent of nitrogen, and not more than one and six-tenths (1.6) per cent of ash.

7. **RICE** is the hulled, or hulled and polished grain of *Oryza Sativa*.

8. **OATMEAL** is meal made from hulled oats and contains not more than twelve (12) per cent of moisture, not more than one and five-tenths (1.5) per cent of crude fiber, not less than two and twenty-four hundredths (2.24) per cent of nitrogen, and not more than two and two-tenths (2.2) per cent of ash.

9. **RYE FLOUR** is the fine, clean, sound product made by bolting rye meal and contains not more than thirteen and one-half (13.5) per cent of moisture, not less than one and thirty-six hundredths (1.36) per cent of nitrogen, and not more than one and twenty-five hundredths (1.25) per cent of ash.

10. **BUCKWHEAT FLOUR** is bolted buckwheat meal and contains not more than twelve per cent of moisture, not less than one and twenty-eight hundredths (1.28) per cent of nitrogen, and not more than one and seventy-five hundredths (1.75) per cent of ash.

B. FRUITS AND VEGETABLES.

FRUIT AND FRUIT PRODUCTS.

(Except fruit juices, fresh, sweet and fermented, and vinegars.)

1. **FRUITS** are the clean, sound, edible, fleshy frutifications of plants, distinguished by their sweet, acid and ethereal flavors.

2. **DRIED FRUIT** is the clean, sound product made by drying mature, properly prepared, fresh fruit in such a way as to take up no harmful sub-

*The following other substances have customarily been used in making ice cream: Eggs, flours, starches, butter, gelatin, flavoring, harmless colors, nuts, fruits, pastries and condensed milks.

stance and conforms in name to the fruit used in its preparation; **SUN DRIED FRUIT** is dried fruit made by drying without the use of artificial means; **EVAPORATED FRUIT** is dried fruit made by drying with the use of artificial means.

3. **EVAPORATED APPLES** are evaporated fruit made from peeled and cored apples, and contain not more than twenty-seven (27) per cent moisture determined by the usual commercial method of drying for four (4) hours at a temperature of boiling water.

4. **CANNED FRUIT** is the sound product made by sterilizing clean, sound, properly matured and prepared fresh fruit, by heating with or without sugar (sucrose) and spices and keeping in suitable, clean, hermetically sealed containers, and conforms in name to the fruit used in its preparation.

5. **PRESERVE** is the sound product made from clean, sound, properly matured and prepared fresh fruit and sugar (sucrose) sirup, with or without spices or vinegar, and conforms in name to that of the fruit used.

6. **HONEY PRESERVE** is preserve in which honey is used in place of sugar (sucrose) sirup.

7. **CORN SIRUP OR GLUCOSE PRESERVE** is preserve in which corn sirup or a glucose product is used in place of sugar (sucrose) sirup.

8. **JAM, MARMALADE**, is the sound product made from clean, sound, properly matured and prepared fresh fruit and sugar (sucrose) with or without spices or vinegar, by boiling to a pulpy or semi-solid consistence, and conforms in name to the fruit or fruits used.

9. **CORN SIRUP OR GLUCOSE JAM OR MARMALADE** is jam or marmalade in which corn sirup or a glucose product is used in place of sugar (sucrose).

10. **FRUIT BUTTER** is the sound product made from fruit juice and clean, sound, properly matured and prepared fruit, evaporated to a semi-solid mass of homogeneous consistence, with or without the addition of sugar and spices or vinegar, and conforms in name to the fruit used in its preparation.

11. **CORN SIRUP OR GLUCOSE FRUIT BUTTER** is fruit butter in which corn sirup or a glucose product is used in place of sugar (sucrose).

12. **JELLY** is the sound, semi-solid, gelatinous product made by boiling clean, sound, properly matured and prepared fresh fruit with water, concentrating the expressed and strained juice, to which sugar (sucrose) is added, and conforms in name to the fruit used in its preparation.

13. **CORN SIRUP OR GLUCOSE JELLY** is jelly in which corn sirup or a glucose product is used in place of sugar (sucrose).

VEGETABLES.

1. **VEGETABLES** are the succulent, clean, sound, edible, parts of herbaceous plants used for culinary purposes.

2. **DRIED VEGETABLES** are the clean, sound products made by drying properly matured and prepared vegetables in such a way as to take up no harmful substance, and conforms in name to the vegetables used in their preparation; **SUN DRIED VEGETABLES** are dried vegetables made by drying without the use of artificial means; **EVAPORATED VEGETABLES** are dried vegetables made by drying with the use of artificial means.

3. **CANNED VEGETABLES** are sound, properly matured and prepared fresh vegetables, with or without salt, sterilized by heat, with or without previous cooking in vessels from which they take up on metallic substance, kept in suitable, clean, hermetically sealed containers, are sound and conform in name to the vegetables used in their preparation.

4. **SAUERKRAUT** is clean, sound, properly prepared cabbage, mixed with salt, and subjected to fermentation.

5. **CATCHUP, CATSUP, KETCHUP**, is the clean, sound product made from properly prepared pulp of clean, sound, fresh, ripe tomatoes with or without spices and with or without sugar and vinegar; **MUSHROOM CATCHUP, WALNUT CATCHUP, ET CETERA**, are catsups made as above described, and conform in name to the substances used in their preparation.

C. SUGARS AND RELATED SUBSTANCES.

SUGAR AND SUGAR PRODUCTS.

SUGARS.

1. SUGAR is the product chemically known as sucrose (saccharose), chiefly obtained from sugar cane, sugar beets, sorghum, maple, and palm.
2. GRANULATED, LOAF, CUT, MILLED AND POWDERED SUGARS are different forms of sugar and contain at least ninety-nine and five-tenths (99.5) per cent of sucrose.
3. MASSECUITE, MELADA, MUSH SUGAR AND CONCRETE are products made by evaporating the purified juice of a sugar-producing plant or a solution of sugar, to a solid or semi-solid consistence, and in which the sugar chiefly exists in a crystalline state.

SIRUPS.

1. SUGAR-CANE SIRUP is sirup made by the evaporation of the juice of the sugar-cane or by the solution of the sugar-cane concrete, and contains not more than thirty (30) per cent of water and not more than two and five-tenths (2.5) per cent of ash.
2. SORGHUM SIRUP is sirup made by the evaporation of sorghum juice or by the solution of sorghum concrete, and contains not more than thirty (30) per cent of water and not more than two and five-tenths (2.5) per cent of ash.
3. MAPLE SIRUP is sirup made by the evaporation of maple sap or by the solution of maple concrete, and contains not more than thirty-five (35) per cent of water and not less than forty-five hundredths (0.45) per cent of maple sirup ash.
4. SUGAR SIRUP is the product made by dissolving sugar to the consistence of a sirup and contains not more than thirty-five (35) per cent of water.

CANDY.

1. CANDY is a product made from a saccharine substance or substances, with or without the addition of harmless coloring, flavoring, or filling materials and contains no terra alba, barytes, talc, chrome yellow, paraffin or other mineral substances, or poisonous colors or flavors, or other ingredients deleterious or detrimental to health, or any vinous, malt, or spirituous liquor or compounds, or narcotic drug.

. HONEY.

1. COMB HONEY is honey contained in the cells of the comb.
2. EXTRACTED HONEY is honey which has been separated from the uncrushed comb by centrifugal force or gravity.
3. STRAINED HONEY is honey removed from the crushed comb by straining or other means.

D. CONDIMENTS (EXCEPT VINEGAR AND SALT).

A. SPICES.

1. SPICES are aromatic vegetable substances used for the seasoning of food and from which no portion of any volatile oil or other flavoring principle has been removed and which are clean, sound, and true to name.
2. ALLSPICE, PIMENTO is the dried fruit of the *PIMENTA PIMENTA* (L) Karst, and contains not less than eight (8) per cent of the quercitannic acid; not more than six (6) per cent of total ash, not more than five-tenths (0.5) per cent of ash insoluble in hydrochloric acid, and not more than twenty-five (25) per cent of crude fiber.
3. ANISE is the fruit of the *PIMPINELLA ANISUM* L.
4. BAY LEAF is the dried leaf of *LAURUS NOBILIS* L.
5. CAPERS are the flower buds of *CAPPARIS SPINOSA* L.
6. CARAWAY is the fruit of *CARUM CARVI* L.

CAYENNE AND RED PEPPERS.

7. RED PEPPER is the red, dried, ripe fruit of any species of *CAPSI-CUM*.

8. CAYENNE PEPPER, CAYENNE, is the dried ripe fruit of *CAPSI-CUM FRUTESCENS* L., *CAPSI-CUM BACCATUM* L., or some other small fruited species of *CAPSI-CUM*, and contains not less than fifteen (15) per cent of non-volatile ether extract; not more than six and five-tenths (6.5) per cent of total ash; not more than five-tenths (0.5) per cent of ash insoluble in hydrochloric acid; not more than one and five-tenths (1.5) per cent of starch, and more than twenty-eight (28) per cent of crude fiber.

9. PAPRIKA is the dried ripe fruit of *CAPSI-CUM ANNUM* L., or some other large-fruited species of *CAPSI-CUM*, excluding seeds and stems.

10. CELERY SEED is the dried fruit of *APIUM GRAVEOLENS* L.

11. CINNAMON is the dried bark of any species of genus *CINNA-MOMUM* from which the outer layers may or may not have been removed.

12. TRUE CINNAMON is the dried inner bark of *CINNAMOMUM ZEYLANICUM* Breyne.

13. CASSIA is the dried bark of various species of *CINNAMOMUM* other than *CINNAMOMUM ZEYLANICUM*, from which the outer layers may or may not have been removed.

14. CASSIA BUDS are the dried immature fruit of species of *CINNA-MOMUM*.

15. GROUND CINNAMON, GROUND CASSIA, is a powder consisting of cinnamon, cassia, or cassia buds, or a mixture of these spices, and contains not more than six (6) per cent of total ash and not more than two (2) per cent of sand.

16. CORIANDER is the dried fruit of *CORIANDRUM SATIVUM* L.

17. CUMINE SEED is the fruit of *CUMINUM CYMINUM* L.

18. DILL SEED is the fruit of *ANETHUM GRAVEOLENS*.

19. FENNEL is the fruit of *FOENICULUM FOENICULUM* (L.) Karst.

20. GINGER is the washed and dried or decorticated and dried rhizome of *ZINGIBER ZINGIBER* (L.) Karst, and contains not less than forty-two (42) per cent of starch; not more than eight (8) per cent of crude fiber, not more than six (6) per cent of total ash, and not more than one (1) per cent of lime, and not more than three (3) per cent of ash insoluble in hydrochloric acid.

21. LIMED GINGER, BLEACHED GINGER, is whole ginger coated with carbonate of lime and contains not more than ten (10) per cent of ash, not more than four (4) per cent of carbonate of lime, and conforms in other respects to the standard of ginger.

22. HORSE RADISH is the root of *RORIPA ARMORACIA* (L.) Hitchcock, either by itself or ground and mixed with vinegar.

23. MACE is the dried arillus of *MYRISTICA FRAGRANS*, Houttuyn, and contains not less than twenty (20) nor more than thirty (30) per cent of non-volatile ether extract, not more than three (3) per cent of total ash, and not more than five-tenths (0.5) per cent of ash insoluble in hydrochloric acid, and not more than ten (10) per cent of crude fiber.

24. MACASSAR MACE, PAPUA MACE, is the dried arillus of *MYRISTICA ARGENTEA* Warb.

25. BOMBAY MACE is the dried arillus of *MYRISTICA MALABARICA* Lamarck.

26. MARJORAM is the leaf, flower and branch of *MARJORANA MAJORANA* (L.) Karst.

27. MUSTARD SEED: White mustard is the seed of *SINAPIS ALBA* L.; black mustard is the seed of *BRASSICA NIGRA* (L.) Koch; and black or brown mustard is the seed of *BRASSICA JUNCEA*, Cosson.

28. GROUND MUSTARD is a powder made from mustard seed, with or without the removal of the hulls and a portion of the fixed oil, and contains not more than two and five-tenths (2.5) per cent of starch and not more than eight (8) per cent of total ash.

29. PREPARED MUSTARD, MUSTARD PASTE, is a paste composed of a mixture of ground mustard seed or mustard flour with salt, spices and vinegar, and calculated free from water, fat and salt, contains not more than

twenty-four (24) per cent of carbohydrates, calculated as starch, determined according to the official methods; not more than twelve (12) per cent of crude fiber nor less than thirty-five (35) per cent of protein, derived solely from the materials named.

30. NUTMEG is the dried seed of the *MYRISTICA FRAGRANS*, Houttuyn, deprived of its testa, with or without a thin coating of lime, and contains not less than twenty-five (25) per cent of non-volatile ether extract, not more than five (5) per cent of total ash, not more than five-tenths (0.5) per cent of ash insoluble in hydrochloric acid, and not more than ten (10) per cent of crude fiber.

31. MACASSAR NUTMEG, PAPUA NUTMEG, MALE NUTMEG, LONG NUTMEG, is the dried seed of *MYRISTICA argentea*, Warb, deprived of its testa.

PEPPER.

32. LONG PEPPER is the dried fruit of *PIPER LONGUM* (L.).

33. WHITE PEPPER is the dried mature berry of *PIPER NIGRUM* (L.) from which the outer coating or the outer and inner coatings have been removed and contains not less than six (6) per cent of non-volatile ether extract, not less than fifty (50) per cent of starch, not more than four (4) per cent of total ash, not more than five-tenths (0.5) per cent of ash insoluble in hydrochloric acid, and not more than five (5) per cent of crude fiber.

34. SAFFRON is the dried stigma of *CROCUS SATIVUS* (L.).

35. SAGE is the leaf of *SALVIA OFFICINALIS* (L.).

36. SAVORY, SUMMER SAVORY, is the leaf, blossom and branch of *SATUREJA HORTENSIS* (L.).

37. THYME is the leaf and tip of the blooming branches of *THYMUS VULGARIS* (L.).

B. FLAVORING EXTRACTS.

1. A FLAVORING EXTRACT is a solution in ethyl alcohol of proper strength of the sapid and odorous principles derived from an aromatic plant, or parts of the plant, with or without its coloring matter, and conforms in name to the plant used in its preparation.

2. ALMOND EXTRACT is the flavoring extract prepared from oil of bitter almonds, free from hydrocyanic acid, and contains not less than one (1) per cent by volume of oil of bitter almonds.

2a. OIL OF BITTER ALMONDS, commercial, is the volatile oil obtained from the seed of the bitter almond (*AMYGDALUS COMMUNIS* L.), the apricot (*PRUNUS ARMENIACA* L.), or the peach (*AMYGDALUS PERSICA* L.).

3. ANISE EXTRACT is the flavoring extract prepared from oil of anise, and contains not less than three (3) per cent by volume of oil of anise.

3a. OIL OF ANISE is the volatile oil obtained from the anise seed.

4. CELERY SEED EXTRACT is the flavoring extract prepared from celery seed or the oil of celery seed, or both, and contains not less than three-tenths (0.3) per cent by volume of oil of celery seed.

4a. OIL OF CELERY SEED is the volatile oil obtained from celery seed.

5. CASSIA EXTRACT is the flavoring extract prepared from oil of cassia and contains not less than two (2) per cent by volume of oil of cassia.

5a. OIL OF CASSIA is the lead-free volatile oil obtained from the leaves or bark of *CINNAMOMUM CASSIA* Bl., and contains not less than seventy-five (75) per cent by weight of cinnamic aldehyde.

6. CINNAMON EXTRACT is the flavoring extract, prepared from oil of cinnamon, and contains not less than two (2) per cent by volume of oil of cinnamon.

6a. OIL OF CINNAMON is the lead-free volatile oil obtained from the bark of Ceylon cinnamon (*CINNAMOMUM ZEYLANICUM* Breyne, and contains not more than sixty-five (65) per cent by weight of cinnamic aldehyde and not more than ten (10) per cent by weight of eugenol.

7. CLOVE EXTRACT is the flavoring extract prepared from oil of cloves, and contains not less than two (2) per cent by volume of oil of cloves.

7a. OIL OF CLOVES is the lead-free volatile oil obtained from cloves.

8. GINGER EXTRACT is the flavoring extract prepared from ginger and contains in each one hundred (100) cubic centimeters the alcohol-soluble matters from not less than twenty (20) grams of ginger.

9. OIL OF LEMON is the volatile oil obtained, by expression or alcoholic solution, from the fresh peel of the lemon (*CITRUS LIMONUM* L.), has an optical rotation (25 degrees C.) of not less than plus 60 degrees in a 100-millimeter tube, and contains not less than four (4) per cent by weight of citral.

10. TERPENELESS EXTRACT OF LEMON is the flavoring extract prepared by shaking oil of lemon with dilute alcohol, or by dissolving terpeneless oil of lemon in dilute alcohol, and contains not less than two-tenths (0.2) per cent by weight of citral derived from oil of lemon.

11. TERPENELESS OIL OF LEMON is oil of lemon from which all or nearly all of the terpenes have been removed.

12. NUTMEG EXTRACT is the flavoring extract prepared from oil of nutmeg, and contains not less than two (2) per cent by volume of oil of nutmeg.

13. OIL OF NUTMEG is the volatile oil obtained from nutmegs.

14. OIL OF ORANGE is the volatile oil obtained, by expression or alcoholic solution, from the fresh peel of orange (*CITRUS AURANTIUM* L.), and has an optional rotation (25 degrees C.) of not less than plus 95 degrees in a 100-millimeter tube.

15. TERPENELESS EXTRACT OF ORANGE is the flavoring extract prepared by shaking oil of orange with dilute alcohol, or by dissolving terpeneless oil of orange in dilute alcohol, and corresponds in flavoring strength to orange extract.

16. TERPENELESS OIL OF ORANGE is oil of orange from which all or nearly all of the terpenes have been removed.

17. PEPPERMINT EXTRACT is the flavoring extract prepared from oil of peppermint; or from peppermint, or both, and contains not less than three (3) per cent by volume of oil of peppermint.

18. PEPPERMINT is the leaves and flavoring tops of *MENTHA PIPERITA* (L.).

19. OIL OF PEPPERMINT is the volatile oil obtained from peppermint and contains not less than fifty (50) per cent by weight of menthol.

20. ROSE EXTRACT is the flavoring extract prepared from Otto of Rose with or without red rose petals, and contains not less than four-tenths (0.4) per cent by volume of Otto of Rose.

21. OTTO OF ROSES is the volatile oil obtained from the petals of *ROSA DAMASCENA* Mill., *R. CENTIFOLIA* (L.), or *R. MOSCHATA* Herrm.

22. SAVORY EXTRACT is the flavoring extract prepared from oil of savory, or from savory, or both, and contains not less than thirty-five hundredths (0.35) per cent by volume of oil of savory.

23. OIL OF SAVORY is the volatile oil obtained from savory.

24. SPEARMINT EXTRACT is the flavoring extract prepared from oil of spearmint, or from spearmint, or both, and contains not less than three (3) per cent by volume of oil of spearmint.

25. SPEARMINT is the leaves and flavoring tops of *MENTHA SPICATA* (L.).

26. OIL OF SPEARMINT is the volatile oil obtained from spearmint.

27. STAR ANISE EXTRACT is the flavoring extract prepared from oil of star anise, and contains not less than three (3) per cent by volume of oil of star anise.

28. OIL OF STAR ANISE is the volatile oil distilled from the fruit of the star anise (*ILLICIMUM VERUM* Hook).

29. SWEET BASIL EXTRACT is the flavoring extract prepared from oil of sweet basil, or from sweet basil, or both, and contains not less than one-tenth (0.1) per cent by volume of oil of sweet basil.

30. SWEET BASIL, BASIL, is the leaves and tops of *OCYIMUM BASILICUM* (L.).

31. OIL OF SWEET BASIL is the volatile oil obtained from basil.
32. SWEET MARJORAM EXTRACT, MARJORAM EXTRACT, is the flavoring extract prepared from the oil of marjoram, or from marjoram, or both, and contains not less than one (1) per cent by volume of oil of marjoram.
33. OIL OF MARJORAM is the volatile oil obtained from marjoram.
34. THYME EXTRACT is the flavoring extract prepared from oil of thyme, or from thyme, or both, and contains not less than two-tenths (0.2) per cent by volume of oil of thyme.
35. OIL OF THYME is the volatile oil obtained from thyme.
36. TONKA EXTRACT is the flavoring extract prepared from tonka bean, with or without sugar or glycerin, and contains not less than one-tenth (0.1) per cent by weight of coumarin extracted from the tonka bean, together with a corresponding proportion of the other soluble matters thereof.
37. TONKA BEANS is the seed of COUMAROUNA ODORATA Aublet.
38. VANILLA BEAN is the dried, cured fruit of VANILLA PLANIFOLIA Andrews.
39. WINTERGREEN EXTRACT is the flavoring extract prepared from oil of wintergreen, and contains not less than three (3) per cent by volume of oil of wintergreen.
40. OIL OF WINTERGREEN is the volatile oil distilled from the leaves of the GAULTHERIA PROCUMBENS (L.).

C. EDIBLE VEGETABLE OILS AND FATS.

1. VIRGIN OLIVE OIL is olive oil obtained from the first pressing of carefully selected, hand-picked olives.
2. COTTONSEED OIL is the oil obtained from the seeds of cotton plants (*GOSSYPIUM HIRSUTUM* L., *G. BARBADENSE* L., or *G. HERBACEUM* L.) and subjected to the usual refining processes; is free from rancidity, has a refractive index (25 degrees C.) not less than one and forty-seven hundred ten-thousandths (1.4700) and not exceeding one and forty-seven hundred and twenty-five ten-thousandths (1.4725), and an iodine number not less than one hundred and four (104) and not exceeding one hundred and ten (110).
3. "WINTER YELLOW" COTTONSEED OIL is expressed cottonseed oil from which a portion of the stearin has been separated by chilling and pressure, and has an iodine number not less than one hundred and ten (110) and not exceeding one hundred and sixteen (116).
4. PEANUT OIL, ARACHIS OIL, EARTHNUOT OIL, is the oil obtained from the peanut (*ARACHIS HYPOGAEA* L.) and subjected to the usual refining processes; is free from rancidity; has a refractive index (25 degrees C.) not less than one and forty-six hundred and ninety ten-thousandths (1.4690) and not exceeding one and forty-seven hundred and seven ten-thousandths (1.4707); and an iodine number not less than eighty-seven (87) and not exceeding one hundred (100).
5. "COLD DRAWN" PEANUT OIL is peanut oil obtained by pressure without heating.
6. SESAME OIL, GINGILI OIL, TEEL OIL, is the oil obtained from the seeds of the sesame plants (*SESAMUM ORIENTALE* L., and *S. RADIATUM* Schum. and Thonn.) and subjected to the usual refining processes; is free from rancidity; has a refractive index (25 degrees C.) not less than one and forty-seven hundred and four ten-thousandths (1.4704) and not exceeding one and forty-seven hundred and seventeen ten-thousandths (1.4717); and an iodine number not less than one hundred and three (103) and not exceeding one hundred and twelve (112).
7. "COLD-DRAWN" SESAME OIL is oil obtained by pressure without heating.
8. POPPYSEED OIL is the oil obtained from the seed of poppy (*PAPAVER SOMNIFERUM* L.) subjected to the usual refining processes and free from rancidity.
9. WHITE POPPYSEED OIL, "COLD-DRAWN" POPPYSEED OIL, is poppyseed oil of the first pressing without heating.

10. **COCOANUT OIL** is the oil obtained from the kernels of the cocoanut (*COCOS NUCIFERA* L.) and subjected to the usual refining processes and free from rancidity.

11. **COCHINE OIL** is cocoanut oil prepared in Cochin (Malabar).

12. **CEYLON OIL** is cocoanut oil prepared in Ceylon.

13. **COPRA OIL** is cocoanut oil prepared from copra, the dried kernels of the cocoanut.

14. **RAPESEED OIL, COLZA OIL**, is the oil obtained from the seeds of the rape plant (*BRASSICA NAPUS* L.) and subjected to the usual refining processes and free from rancidity.

15. **"COLD-DRAWN" RAPESEED OIL** is rapeseed oil obtained by the first pressing without heating.

16. **SUNFLOWER OIL** is the oil obtained from the seeds of the sunflower (*HELIANTHUS ANNUUS* L.) and subjected to the usual refining processes and free from rancidity.

17. **"COLD-DRAWN" SUNFLOWER OIL** is a sunflower oil obtained by the first pressing without heating.

18. **MAIZE OIL, CORN OIL**, is the oil obtained from the germ of the maize (*ZEA MAYS* L.) and subjected to the usual refining processes and free from rancidity.

19. **COCOA BUTTER, CACAO BUTTER** is the fat obtained from roasted sound cocoa beans and subjected to the usual refining processes; is free from rancidity; has a refractive index (40 degrees C.) and not less than one and forty-five hundred and sixty-six ten-thousandths (1.4566) and not exceeding one and forty-five hundred and ninety-eight ten-thousandths (1.4598) an iodine number not less than thirty-three (33) and not exceeding thirty-eight (38); and a melting point not lower than 30 degrees C. and not higher than 35 degrees C.

20. **COTTONSEED OIL STEARIN** is the solid product made by chilling cottonseed oil and separating the solid portion by filtration, with or without pressure, and having an iodine number not less than eighty-five (85) and not more than one hundred (100).

E. TEA, COFFEE, AND COCOA PRODUCTS.

TEA.

1. **TEA** is the leaves and leaf buds of different species of *THEA*, prepared by the usual trade processes of fermenting, drying and firing; meets the provisions of the Act of Congress approved March 2, 1897, and the regulations made in conformity therewith (Treasury Department Circular 16, February 6, 1905); conforms in variety and place of production to the name it bears, and contains not less than four (4) nor more than seven (7) per cent of ash.

COFFEE.

1. **COFFEE** is the seed of *COFFEA ARABICA* L. or *COFFEA LIBERICA* Bull. freed from all but a small portion of its spermoderm and conforms in variety and place of production to the name it bears.

2. **ROASTED COFFEE** is coffee which by the action of heat has become brown and developed its characteristic aroma, and contains not less than ten (10) per cent of fat and not less than three (3) per cent of ash.

COCOA AND COCOA PRODUCTS.

1. **COCOA BEANS** are the seeds of the cacao tree *THEOBROMA CACAO* L.

2. **COCOA NIBS, CRACKED COCOA**, is the roasted, broken bean freed from its shell or husk.

3. **CHOCOLA E, PLAIN CHOCOLATE, BITTER CHOCOLATE, CHOCOLATE LIQUOR, BITTER CHOCOLATE COATINGS**, is the solid or plastic mass obtained by grinding cocoa nibs without the removal of fat or other constituents except the germ, and contains not more than three (3) per cent of ash insoluble in water, three and fifty hundredths (3.50) per cent of crude

fiber, and nine (9) per cent of starch, and not less than forty-five (45) per cent of cocoa fat.

4. SWEET CHOCOLATE, SWEET CHOCOLATE COATINGS, is chocolate mixed with sugar (sucrose), with or without the addition of cocoa butter, spices or other flavoring materials, and contains in the sugar and fat free residue no higher percentage of either ash, fiber, or starch than is found in the sugar and fat free residue of chocolate.

5. COCOA, POWDERED COCOA, is cocoa nibs, with or without the germ, deprived of a portion of its fat and finely pulverized, and contains percentages of ash, crude fiber, and starch corresponding to those in chocolate after correction for fat removed.

6. SWEET COCOA, SWEETENED COCOA, is cocoa mixed with sugar (sucrose) and contains not more than sixty (60) per cent of sugar (sucrose), and in the sugar and fat free residue no higher percentage of either ash, crude fiber or starch than is found in the sugar and fat free residue of chocolate.

F. VINEGAR.

1. CORN SUGAR OR GLUCOSE VINEGAR is the product made by the alcoholic and subsequent acetous fermentations of solutions of starch sugar or glucose, is dextro-rotary, and contains in one hundred (100) cubic centimeters (20° C.) not less than four (4) grams of acetic acid.

2. DISTILLED VINEGAR is the product made by the acetous fermentation of dilute distilled alcohol and contains in one hundred (100) cubic centimeters (20° C.) not less than four (4) grams of acetic acid.

III. SALT.

1. TABLE SALT, DAIRY SALT, is fine grained crystalline salt containing on a water-free basis not more than one four-tenths (1.4) per cent of calcium sulphate (CaSO_4), nor more than five-tenths (0.5) per cent of calcium and magnesium chlorids (CaCl_2 and MgCl_2), nor more than one-tenth (0.1) per cent of matters insoluble in water.

NOTE. For standards for Milk, Cream, Maple Sugar, Honey, Cloves, Black Pepper, Lemon Extract, Orange Extract, Vanilla Extract, Olive Oil, Cider Vinegar, Wine Vinegar, Malt Vinegar see new revised Illinois Dairy and Food laws of 1907, as amended 1909 and 1911.

The commission has under consideration the formation of Standards for Molasses, Corn Sugar or Starch Sugar, Corn Sirup or Glucose, Evaporated Milk, Condensed Milk, Pickles, Wines, and Sugar Vinegar.

REPORT OF ASSISTANT COMMISSIONER.

January 1, 1915.

Hon. W. Scott Matthews, State Food Commissioner, Chicago, Ill.

DEAR SIR: Owing to the fact that the department inspection force have been spending more time on the sanitary work than formerly, the record of food samples analyzed was not so large during the past year, but the inspections under the sanitary law were larger than ever before. There were 750 illegal samples of food reported by the laboratory, 149 being faulty on account of size of type or the omission of name and address. These were corrected through the mail. Six hundred and one cases were cited for hearing, at which hearings I presided, and for those that were prosecuted as a result of the hearings I respectfully call your attention to the attorney's report.

As a result of the sanitary inspection, it was necessary to hold 500 sanitary hearings. In a large State of this kind the apparent result of our work is slow, but nevertheless it is evident, and in every community that we have had our inspectors on a reinspection there is a great improvement, and I know that it is appreciated by the consuming public. It is an enormous task to inspect all the food manufacturing and handling establishments in our State to see that they comply with the food and sanitary laws. I again recommend to you the need of a larger force for this work.

During the past year the department issued 339 tester's licenses. The dairy conditions of the State are improving. In spite of the foot and mouth disease we have more dairy cows than formerly and there is a larger per cent of them high-grade dairy cows. Owing to the growth of the cities and the larger demand for fresh milk for municipal purposes, for ice cream, and candy purposes, the revised creamery list is not as large. There are more bottling plants and more condensories. There are in round numbers a million and a quarter dairy cows in our State.

I am very glad to report the complete cooperation of the dairymen of our State through the State Dairymen's Association, the milk producers and the creamery butter manufacturers, with this department. They accept willingly our rules and regulations and inspections, and I most earnestly recommend that we have some more dairy and creamery inspectors, men who are qualified to intelligently inspect the creamery, cheese factory, the ice cream factory, the condensing factory, the bottling plant, to aid and instruct the dairymen on matters pertaining to this phase of the work. They appreciate what sanitation means to their product. They have asked us for more inspectors, passed resolutions endorsing the department and our work, and there should be more men available for this work.

We get best results through our educational work in this particular field. Men must be competent and familiar with the conditions if they wish to secure the cooperation of the people they come in contact with. Milk is the greatest of all food and we should be able to give them not only the inspection that they ask for, but which the importance of the product itself merits. As you know, there has been a greater demand for talks than ever before, and illustrated lectures and the work along this line is appreciated greatly by the milk producer and the milk products manufacturer as well as the consumer.

Yours truly,

JOHN B. NEWMAN,
Assistant Commissioner.

LIST OF CREAMERIES—ILLINOIS.

ADAMS COUNTY.

Name.	Address.	Manager.	Buttermaker.
Golden Creamery Co	Golden	H. H. Emminger	Ed. Creamors.
Pioneer Creamery Co	Camp Point	L. Neilsen	G. Simonsen.
Keck Bros. Creamery	Quincy.		

ALEXANDER COUNTY.

Cairo Creamery Co Cairo..... B. H. Wing.

BOND COUNNY.

Old Ripley Creamery Co.....Pocahontas, R. F. D.
 Reno Equity ExchangeRenoJ. E. HigginsRoy Herndon.
 Sorento Creamery Co.....Sorento.
 Wolverson Creamery Co.....Greenville, R. F. D.
 Pocahontas Creamery CoPocahontas.
 Mulberry Grove Creamery Co.Mulberry Grove.

BOONE COUNTY.

Belvidere Creamery Co.....BelvidereC. W. WaitC. Musgrove.
 Shattuc Grove Creamery.....BelvidereG. ReadG. A. Cutler.
 Caledonia Creamery CoCaledonia.
 Irene Creamery CoIrene.
 Poplar Grove Creamery.....Poplar Grove.

BUREAU COUNTY.

Tiskilwa CreameryTiskilwa.
 Green River Creamery Co....Ohio.
 Neponset Creamery CoNeponset.
 Perrin Creamery Co.....Wyanette.
 Providence Cheese Factory..Providence.
 Sheffield Creamery Co.....Sheffield.

CARROLL COUNTY.

Argo Creamery Co.....Thomson.....K. B. Carpenter.
 Bluff Springs Creamery Co...Thomson.....G. N. MelliendyWm. J. Kane.
 Chadwick Creamery CoChadwickJ. Hicks.
 Fairhaven CreameryThomson, R. F. D. No. 1E, Farnam.
 Lanark Creamery Co.....Lanark.....Jno. Newman Co.....M. L. Musselman.
 Mt. Carroll CreameryMt. Carroll.....Jno. Newman Co.....Wm. Engelbrecht.
 Milledgeville CreameryMilledgeville.....Jno. Newman Co.....C. E. Mortensen.
 Shannon CreameryShannon.....G. J. Grabow.
 Savanna Produce CoSavannaJohn Grandy.
 Wacker Creamery CoSavanna, R. F. D. No. 2, F. W. Grimm.
 Nursery CreameryLanark, R. F. D.John Newman Co.
 Pals Grove CreameryMt. Carroll.

CHAMPAIGN COUNTY.

St. Joseph's CreamerySt. Joseph.
 University of Illinois Cream-
 eryUrbanaN. W. Hepburn.
 Twin City CreameryChampaign.....Fred A. Jorgensen.
 Rantoul Creamery CoRantoul.

CHRISTIAN COUNTY.

Lily of the Valley Creamery
 CoPana.
 Rural Township Creamery Co.PanaW. E. CanwellJ. G. Goeller.
 Taylorville Creamery Co.....Taylorville.....R. J. Collier.
 Sugar Creek Creamery Co.....PanaH. C. Horneman.

CLARK COUNTY.

Wabash Valley CreameryWest Union.....E. A. Snyder.
 Martinville Creamery Co.....Martinville.

CLAY COUNTY.

Name.	Address.	Manager.	Buttermaker.
Clay City Creamery	Clay City.		
Flora Creamery	Flora.	N. Jensen	J. Stovering.
Louisville Creamery	Louisville.		
Ebner Ice & Cold Storage Co.	Flora.		

CLINTON COUNTY.

Shattuc Creamery	Shattuc.
Albers Creamery Co.	Albers.
Damansville Creamery Co.	Damansville.

COLES COUNTY.

Charleston Dairy Co.	Charleston.
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COOK COUNTY.

Arlington Heights Creamery.	Arlington Heights....	E. J. Sharrenghausen.
Highland Grove Creamery....	Palatine	H. L. Sharrenghausen.
Blue Valley Creamery Co.	Chicago.....	J. A. Walker.
Fox River Butter Co.	Chicago.....	H. S. Johnston.
Beatrice Creamery Co.	Chicago.....	H. S. Johnston.
Wheeling Creamery	Wheeling.	
Schaumburg Creamery	Palatine.	
Orland Creamery Co.	Orland.	
Barrington Creamery	Barrington.	

DEKALB COUNTY.

Murphysboro Creamery Co.	Sycamore .		
Kingston Creamery	Kingston.....	Anderson & Chellgreen.	
Malta Creamery	Malta	G. H. Cerier	W. K. Tyndall.
Pierce Creamery	Hinkley.....	Wood & Delaney.	
Sycamore Produce Creamery ..	Sycamore	O. E. Murphy.	
Waterman Creamery	Waterman	Richmond Bros.	
Hawthorne Creamery	Sandwich.		
Charter Grove Creamery	Charter Grove.		
Cortland Creamery	Cortland.		
DeKalb Milk Depot.	DeKalb.		
Elva Creamery	Elva Station.		

DEWITT COUNMY.

Clinton Creamery Co.	Clinton.	
Nora Creamery	Clinton R. F. D.	
Shady Grove Creamery	Clinton R. F. D.	H. A. Remington.

DOUGLAS COUNTY.

Hindsboro Creamery Co.	Hindsboro .
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DUPAGE COUNTY.

Lisle Creamery	Lisle.		
Naperville Creamery Co.	Naperville.....	S. Mattier	J. Lauer.
Townline Creamery	Bensenville	H. Grove .	
Utopia Creamery	Elmhurst.....	F. Bushman.	
York Center Creamery	Lombard.....	H. C. Mayer.	
Bloomington Creamery Co.	Bloomington.		
Cloverdale Creamery	Cloverdale.		
Elmhurst Creamery	Elmhurst.		
Sanitary Creamery Co.	Lombard.		
Lace Creamery Co.	Lace.		

EDWARDS COUNTY

Clover Valley Creamery	West Salem.....	G. Swartzlose.	
Golden Sheaf Creamery Co.	Albion	J. A. Anderson.	
Clover Leaf Creamery	Browns	G. D. Johnson.....	G. A. Benson.
Bone Gap Creamery Co.	Bone Gap.		
West Salem Creamery	West Salem.		

EDGAR COUNTY.

Paris Creamery Co.	Paris.
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EFFINGHAM COUNTY.

Beecher City Creamery	Beecher City.....	R. O. Henry.	
Dietrich Creamery Co.	Dietrich.....	F. Sifkin.....	H. Krone.
Star Creamery	Teutopolis.....	Herman Kenter.	
Olinger Creamery Co.	W. R. Beecher City.		
Gilmore Creamery Co.	Welton.		
Prairie State Creamery	Dietrich.		

FAYETTE COUNTY.

Name.	Address.	Manager.	Buttermaker.
Farina Creamery Co.....	Farina.....	M. Maxfield.....	R. M. Schoellhorn.
St. James Creamery.....	St. James.		
St. Peter's Creamery.....	St. Peter.....	Chas. G. Duensing.	
St. Paul's Creamery.....	St. Paul.		
Vandalia Creamery.....	Vandalia.....	L. P. Young.	
Ramsey Creamery Co.....	Ramsey.		
Model Dairy Co.....	St. Elmo.		

FORD COUNTY.

Gibson City Creamery Co....Gibson City.

FRANKLIN COUTNY.

M. E. Downen & Co.....Thompsonville.
Thompsonville CreameryThompsonville.

FULTON COUNTY.

Astoria Creamery Co.....Astoria.....H. M. Morton.....S. Simonson.
Canton Creamery Co.....Canton.
Ipava Creamery Co.....Ipava.....J. L. Adkison.

GREENE COUNTY.

Roodhouse Creamery.....Roodhouse.....Jno. P. Henderson, Jr.

HANCOCK COUNTY.

Dallas City Creamery.....Dallas City.....F. Dixon.....D. K. Peters.
LaHarpe Creamery.....LaHarpe.....J. Schriever.

HENRY COUNTY.

Geneseo Creamery Co.....Geneseo.....F. Lipke.
Galva Creamery Co.....Galva.....Peterson Bros.
Osco Cooperative Creamery
Co.....Osco.....O. E. Holland.
Rickel's Cheese Factory.....Rickel.
Green River Valley.....Atkinson.

IROQUOIS COUNTY.

Sugar Creek Creamery.....Watseka.....H. C. Horneman.....A. Wilcox.
Watseka Creamery Co.....Watseka.
E. E. Borgan & Co.....Donovan.
Gilman Creamery Co.....Gilman.

JACKSON COUNTY.

Ava Creamery.....Ava.
Blue Grass Creamery Co....Campbell Hill.....S. L. Monteith.
Phillip Gray's CreameryElkville.
Carbondale Creamery.....Carbondale.
Murphysboro Creamery Co...Murphysboro.

JASPER COUNTY.

Bogota Creamery Co.....Bogota.
Newton Creamery Co.....Newton.....J. R. Newberry.
Pleasant Village Creamery Co.Bogota.....H. E. Siegman.
Wheeler Creamery Co.....Wheeler.....DeWitt Smith.
Yale Creamery.....Yale.....N. A. Dillman.
Riverside Creamery Co.....St. Marie.....F. L. Merceret.
Gilt Edge Creamery Co.....West Liberty.
West Liberty Creamery.....West Liberty.

JEFFERSON COUNTY.

Bonnie Creamery Co.....Bonnie.....Walter Toney.
Newberry's Creamery.....Mt. Vernon.....Geo. Newberry.

JO DAVIESS COUNTY.

Derinda Center CreameryElizabeth.....F. J. Dixon.
Apple River Creamery.....Apple River.....E. B. Hooley.
Elizabeth Creamery Co.....Elizabeth.....J. Prisk.....E. Flickenger.
Galena Creamery.....Galena.....John Newman Co.
Stockton Creamery.....Stockton.....H. Sheets.
Scales Mound Creamery.....Scales Mound.....O. L. Albright.
Warren Creamery.....Warren.....John Newman Co.....E. F. Harrison.
Woodbine Creamery.....Woodbine.....F. Arnold & Co.....W. P. Finicle.
Elmville Creamery.....Stockton.....T. J. Dixon.
Derinda Cheese Factory.....Stockton.
Mosback Cheese Factory.....Elizabeth.
Plum River Creamery.....Stockton.

KANE COUNTY.

Name.	Address.	Manager.	Buttermaker.
Big Rock Creamery Co	Big Rock	D. J. Morris	F. McFarland.
Hanover Creamery	Elgin, R. F. D. No. 5.	C. H. Volkening.	
North Virgil Creamery	Maple Park	G. H. Moody.	
North Aurora Creamery	North Aurora	P. Pettit.	
County Line Creamery	Big Rock, R. F. D. No. 1C.	Woodard	F. J. Waddige.
Kaneville Creamery	Big Rock, R. F. D. No. 1C.	Woodard	D. W. Annis.
Sugar Grove Creamery	Sugar Grove.		
Burlington Creamery	Burlington.		
Elburn Creamery	Elburn.		
Pearsall Butter Co., B. S.	Elgin.		
Wood Butter Co., D. E.	Elgin.		

KANKAKEE COUNTY.

Purity Creamery Co	Kankakee	C. F. Holliday.	
Anderson Dairy Co	Kankakee	J. Anderson.	
Grant Park Creamery Co	Grant Park	Thos. H. Spray.	
Manteno Creamery Co	Manteno	Wright & Co.	
Sollitt Creamery Co	Sollitt	C. F. Keeler	H. Voight.
Momence Creamery	Momence.		
Frank Yockey	Hospital.		

KNOX COUNTY.

Abingdon Butter Co.	Abingdon.	
Galesburg Creamery Co.	Galesburg	Wetmore & Crissy.

LAKE COUNTY.

Antioch Creamery Co.	Antioch.		
Forest Glenn Creamery Co.	Round Lake	Clause Junge, Jr.	P. Peterson.
Lake Zurich Creamery	Lake Zurich	C. H. Palatine	J. Davidson.
West Tremont Creamery	Rockefeller	E. H. Meyer	W. McConnell.
Wauconda Creamery	Wauconda.		
Buffalo Grove Creamery	Buffalo Grove.		
Round Lake Creamery	Round Lake.		
Russell Creamery Co.	Russell.		

LASALLE COUNTY.

Leland Creamery	Leland.	
Victor Creamery	Leland	E. P. Richey.
Fox River Butter Co.	Streator.	
Dorris Ice Cream Co.	Streator.	
Earlville Creamery	Earlville	Jno. Harkness.

LAWRENCE COUNTY.

Chauncey Creamery	Chauncey.
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LEE COUNTY.

Sanitary Creamery Co.	Amboy	J. C. McKinnon	G. J. Derdorf.
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LIVINGSTON COUNTY.

Allen Candy Co	Pontiac.
Pierce, H. L.	Dwight.
Livingston Creamery Co.	Pontiac.
Pontiac Creamery	Pontiac.
Odell Creamery	Odell.

LOGAN COUNTY.

Williams, J. L.	Chestnut.
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MACON COUNTY.

Benson, J., Butter Co.	Decatur	J. Benson.
Decatur Ice Cream Co.	Decatur.	

MADISON COUNTY.

Diamond Creamery Co.	Grant Fork	A. L. Hitz.
Alhambra Creamery Co	Alhambra.	
New Douglas Creamery Co.	New Douglas.	
Orange Cooperative Creamery	Bethalto.	
Godfrey Creamery	Godfrey	Roy Pattison.

MACOUPIN COUNTY.

Name.	Address.	Manager.	Buttermaker.
Mt. Olive Dairy Co.....	Mt. Olive.		
Carlville Milk & Ice Cream Co.....	Carlville.		
Virden Creamery	Virden.		

MARION COUNTY.

Iuka Creamery Co	Iuka.		
Salem Creamery Co.....	Salem.....	N. Benson.	
Centralia Creamery.....	Centralia.....	O. R. Lee.	
West Side Dairy Co.....	Centralia.		

MASON COUNTY.

Manito Creamery	Manito.....	H. W. VanDyke.	
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McDONOUGH COUNTY.

Bushnell Creamery Co.....	Bushnell.		
Campbell's Creamery.....	Macomb.		

McHENRY COUNTY.

Dunham Creamery Co.....	Harvard, R. F. D.		
	No. 1	H. C. Wells	R. C. Wilson.
Johnsburg Creamery Assn.....	McHenry, R. F. D.....	S. Freund	O. Murray.
Muched Lake Creamery.....	McHenry, R. F. D.		
	No. 5	L. Knigge.	
Maplewood Creamery Co.....	Harvard, R. F. D.		
	No. 2.....	Sullivan.	
Big Foot Prairie Creamery.....	Big Foot Prairie.		
Harmony Creamery.....	Marengo, R. F. D.		
Hartland Creamery Co.....	Woodstock.		
Richmond Creamery.....	Richmond.		
English Prairie Creamery.....	Spring Grove.		
Hebron Creamery.....	Hebron.		

McLEAN COUNTY.

Bloomington Candy Co.....	Bloomington.		
Snow & Palmer.....	Bloomington.		
Corn Belt Creamery Co.....	Bloomington.....	L. Nielson.	
LeRoy Creamery Co.....	LeRoy		W. F. Strain.

MERCER COUNTY.

Joy Creamery Association....	Joy.....	W. W. Reynolds.	
Western Illinois Creamery Co.	Aledo.		

MONROE COUNTY.

Fountain Creamery Co.....	Waterloo.....	O. F. Schulze.	
Floraville Creamery Assn.....	Waterloo, R. F. D.		
	No. 3.....	Phil Wirth.	

MONTGOMERY COUNTY.

Donnellson Creamery Co.....	Donnellson	E. Moore.	
Coffeen Creamery	Coffeen	M. L. Roberts.	
Central Illinois Creamery Co.	Nokomis.....	W. B. Collier.....	G. Bost.
Irving Coop. Creamery Co.....	Irving	R. L. Tank.	
Litchfield Creamery.....	Litchfield.....	Davis Bros.	
Jensen Creamery Co.....	Litchfield.		

MORGAN COUNTY.

Chapin Creamery Co.....	Chapin'.....	E. H. Nienhauser.	
Jacksonville Creamery Co....	Jacksonville.		
Swift & Co.....	Jacksonville.		

OGLE COUNTY.

Polo Creamery.....	Polo	H. C. Thoms.	
Brookville Creamery.....	Brookville	John Newman Co.....	J. L. Musselman.
Preston Creamery Co.....	Preston.....	P. Nelson.	
Foreston Creamery.....	Foreston.....	John Newman Co.....	Roscoe Barber.
Harper Creamery.....	Harper	John Newman Co.....	Geo. Bloyer.
Mt. Morris Creamery.....	Mt. Morris.....	G. Hopkins.....	C. E. Smith.
Stillman Valley Creamery.....	Stillman Valley.....	Beckford.....	G. Lind.
Egan Creamery.....	Egan		
Adeline Creamery	Adeline.		
The Grange Creamery.....	Oregon.		
Leaf River Creamery Co.....	Leaf River.		

PEORIA COUNTY.

Name.	Address.	Manager.	Buttermaker.
Church's Creamery.....	Peoria.		
Peoria Creamery Co.....	Peoria.	Jno. Nelson.	

PERRY COUNTY.

Cutler Creamery Co.....	Cutler.....	C. E. Gemmill.
Pinckneyville Creamery Co.....	Pinckneyville.	

PIKE COUNTY.

Barry Creamery Co.....	Barry.....	F. A. Gates.
Griggsville Creamery.....	Griggsville.....	T. Simpkins.

POPE COUNTY.

Brownfield Creamery.....	Brownfield.
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RANDOLPH COUNTY.

Bremen Creamery Co.....	Chester, R. F. D.....	Schoeder.....	A. Brammer.
Blair Creamery.....	Blair.....	J. P. Burns.	
Red Bud Creamery.....	Red Bud.....	Schriber Bros.....	H. Rhonsberger.
Redpatti's Creamery.....	Houston.....	R. C. Boyle.	
Sparta Dairy Co.....	Sparta.....		
Shilo Hill Creamery.....	Campbell Hill.....	J. Schrader.....	A. Dunsing.
Steelville Creamery.....	Steelville.....	C. N. Wilson.	
Coulterville Creamery.....	Coulterville.....	F. Beckley.	
Welga Creamery Co.....	Welga.....	H. Walters.....	R. C. Lickmeyer.
Baldwin Blue Grass Creamery Co.....	Baldwin.		
Runa Creamery.....	Red Bud.		
White Clover Creamery.....	Walsh, R. F. D.		

RICHLAND COUNTY.

Berryville Creamery.....	Parkersburg, R. F. D.S. Stillwell.	
Clairmount Creamery Assn.....	Clairmount.....	J. W. Webster.....
Parkersburg Creamery.....	Parkersburg.....	Richards & Brooks.
Gold Medal Creamery.....	Olney.....	Geo. O'Donnell.
Calhoun Creamery.....	Calhoun.....	G. L. Newberry.....
Noble Creamery Assn.....	Noble.	
Olney Milk and Butter Co.....	Olney.	
Richland Creamery Co.....	Calhoun.....	Geo. W. Stone.

ROCK ISLAND COUNTY.

Barstow Creamery.....	Barstow.....	F. Klebe.
Port Byron Creamery.....	Port Byron.	
Milan Creamery Co.....	Milan.	

SHELBY COUNTY.

Forest Creamery Co.....	Sigel.....	N. W. Peterson.
Johnson Sanitary Creamery.....	Stewardson.....	L. Johnson.
Richland Creamery Co.....	Strasburg.....	H. L. Moore.
Hughes Creamery Co.....	Herrick.....	J. L. Hughes.

ST. CLAIR COUNTY.

Frein, H. P.....	Smithton.	
Floraville Creamery.....	Waterloo, R. F. D.....	L. I. Zinkerman.....
Millstadt Creamery.....	Millstadt.....	F. L. Baltz.....
Marissa Creamery.....	Marissa.....	Lyons & White.....
Mutual Creamery.....	Mascoutah.....	G. F. Wanbacker.
O'Fallon Creamery Co.....	O'Fallon.	
Shoettler's Creamery.....	Belleville.....	H. Shoettler.
Star Creamery.....	Millstadt.....	E. P. Miller.
Smithton Creamery Co.....	Smithton.	
Bacon Creamery Co.....	East St. Louis.	
Lenzburg Creamery.....	Lenzburg.....	Wm. Muser.

SALINE COUNTY.

Harrisburg Creamery.....	Harrisburg.
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SANGAMON COUNTY.

Blue Valley Creamery Co....	Springfield.
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SCHUYLER COUNUY.

Rushville Creamery.....	Rushville.
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STARK COUNTY.

Wyoming Creamery.....	Wyoming.....	Phillip F. Newton.
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STEPHENSON COUNTY.

Name.	Address.	Manager.	Buttermaker.
Cedarville Creamery.....	Cedarville	Miss A. Richards.	
Dakota Creamery.....	Dakota.....	John Newman Co.....	L. E. Weckerly.
Davis Creamery Assn.....	Davis.....		
Damascus Creamery Co.....	Damascus.....	L. A. Phillips.	
Elroy Creamery Co.....	Elroy.....	S. Otto.	
Freeport Creamery Co.....	Freeport.....	Jos. Newman Co.	
German Valley Creamery Co.....	German Valley.....	H. Sheets.	
Kent Creamery.....	Kent.....		
Lacona Creamery.....	Davis.....	W. Minard.....	G. Lewenberger.
Lena Creamery.....	Lena.....	D. C. Houser.	
Pearl City Creamery.....	Pearl City.		
Pleasant View Creamery Co.....	Pearl city, R. F. D. No. 1.		
Rock City Creamery.....	Rock City.....	Chas. Logan.	
Red Oak Creamery.....	Red Oak.....	S. Wagel.....	W. M. Walt.
Spring Creek Creamery.....	Davis.....	D. Minard.....	C. Lewenberger.
Sciota Mills Creamery.....	Sciota Mills.....	F. Kosternader.	
Winneshiek Creamery Co.....	Freeport, R. F. D.		
Walnut Grove Creamery.....	Davis.....	W. Minard.	
Afolkey Cheese Factory.....	Afolkey.		
Blue Label Cheese Factory.....	Winslow.		
McConnell Creamery Co.....	McConnell.		
Durand Creamery Co.....	Durand.		
Orangeville Creamery Co.....	Orangeville.		
Lora Creamery.....	Pearl City.		
Freeport Dairy & Produce....	Freeport.....	Moran & Credicott.	

TAZEWELL COUNTY.

Joe Norris Creamery Co..... Washington.

UNION COUNTY.

Anna Creamery Co..... Anna.

VERMILION COUNTY.

Allerton Creamery Co.....	Allerton.....	Price.....	Sutterland.
Rossville Creamery Co.....	Rossville.....	W. Madsen.	
Ridge Farm Creamery Assn.....	Ridge Farm.....	P. H. Jacobson.	
Danville Creamery Co.....	Danville.		

WABASH COUNTY.

Allendale Creamery..... Allendale.
Coleman's Creamery..... Mt. Carmel.

WARREN COUNTY.

Monmouth Creamery Co..... Monmouth..... A. H. Tubbs..... H. H. Krog.
Alexis Creamery Co..... Alexis.

WASHINGTON COUNTY.

Addieville Creamery Co..... Addieville.
Hoyleton Creamery..... Hoyleton..... A. Naschoff.
New Minden Creamery..... New Minden..... C. E. Weeke.
Pekan Grove Creamery..... Okawville.
Nashville Creamery Co..... Nashville.
Oakdale Creamery Co..... Oakdale.
Koelling Creamery Co..... DuBois.

WAYNE COUNTY.

Fairfield Creamery Co..... Fairfield..... F. Koors.

WILL COUNTY.

Acorn Creamery Co..... Crete..... T. C. Tage..... A. Voight.
Barbers' Corners Creamery..... Plainfield, R. F. D.
No. 4..... C. Hogafa.
DuPage Valley Creamery Co..... Plainfield, R. F. D.
No. 4..... F. Carr.
Eagle Lake Creamery..... Goodenow..... H. E. Engleking..... G. W. Hoppenstadt.
Goodings Grove Creamery..... Lockport..... H. J. Holmes..... M. Ludwig.
Interstate Creamery..... Crete, R. F. D. No. 2..... S. Grimm.
Manhattan Creamery..... Manhattan.
Maple Hill Creamery..... Lockport..... S. W. Jones & Co.
State Line Creamery..... Beecher, R. F. D. No. 2..... Jos. Berg..... John Sidler.
Englewood Dairy..... Beecher..... C. B. Eskilson.
New Lenox Creamery Co..... New Lenox.
Spring House Dairy..... Lockport.

WINNEBAGO COUNTY.

Name.	Address.	Manager.	Buttermaker.
Argyle Creamery Co.....	Argyle.		
Cherry Valley Creamery Co..	Cherry Valley.....	C. W. Wait.....	C. W. Swateck.
Durand Creamery.....	Durand.....	M. C. Canna & Fraser...	R. Martin.
Edwardsville Creamery.....	Winnebago, R. F. D.		
	No. 1.....	J. Wagner.....	W. H. Taylor.
Lysander Creamery Co.....	Pecatonica.....	J. A. Provost.	
Riverside Creamery.....	Rockford, R. F. D.		
	No. 1.....	D. Smith.	
Roscoe Creamery.....	Roscoe.....	C. M. Wait.....	A. J. Sally.
Westfield Butter Mfg. Co..	Winnebago.....	C. P. Coolidge.....	C. James.
Winnebago Creamery Co.....	Winnebago.		
Union Dairy Co.....	Rockford.		
Carmichael Co., H. W.....	Rockford.		

WHITESIDE COUNTY.

Morrison Creamery.....	Morrison.....	J. Newman Co.....	A. J. Spohn.
Spring Valley Creamery.....	Morrison.....	Th. Stagg.	
Tampico Creamery.....	Tampico.....	F. Johnson.....	B. Paterson.
Prophetstown Creamery.....	Prophetstown.....	F. Johnson.	
Hey Bros.....	Sterling.....	C. Hey.....	A. N. Shaw.
Erie Creamery.....	Erie.		
Jordan Creamery Co.....	Sterling.		

WILLIAMSON COUNTY.

Johnston Creamery Co.....	Johnston City.....	S. T. Welch.	
Southern Illinois Creamery			
Co.....	Marion.....	John Mouse.....	H. C. Sutherland.

WOODFORD COUNTY.

Metamora Creamery Co.....	Metamora.....	Nelson & Finch.....	C. R. Clamp.
Illinois Valley Creamery.....	Benson.		
Illinois Valley Creamery.....	Minonk.		

MILK CONDENSING PLANTS.

Name.	Location.	Office.
American Milk Products Co.....	Capron.	
American Milk Products Co.....	Union.	
Aviston Milk Condensing Co.....	Aviston.	
B. & O. Milk Condensing Co.....	Carlyle.	
Banner Condensing Co.....	Pearl City.	
Borden's Condensed Milk Co.....	Elgin.....	Chicago.
Borden's Condensed Milk Co.....	Huntley.....	Chicago.
Borden's Condensed Milk Co.....	Carpentersville....	Chicago.
Borden's Condensed Milk Co.....	Dixon.....	Chicago.
Borden's Condensed Milk Co.....	Algonquin.....	Chicago.
Borden's Condensed Milk Co.....	Sterling.....	Chicago.
Borden's Condensed Milk Co.....	Belvidere.....	Chicago.
Borden's Condensed Milk Co.....	St. Charles.....	Chicago.
Borden's Condensed Milk Co.....	Chemung.....	Chicago.
Bristol Condensery.....	Bristol.	
Edwardsville Milk Condensing Co.....	Edwardsville.	
Greenville Milk Condensing Co.....	Greenville.	
Helvitia Milk Condensing Co.....	Highland.	
Helvitia Milk Condensing Co.....	Greenville.	
Hillsboro Condensed Milk Co.....	Hillsboro.	
Jelke, John F.....	Huntley.	
Libby, McNeil & Libby Co.....	Morrison.	
Marshall Condensed Milk Co.....	Marshall.	
M. & O. Milk Condensing Co.....	Clinton.	
Oatman Condensed Milk Co.....	Dundee.	
Osborn Condensing Co., J. W.....	Hillsboro.	
Pacific Coast Condensed Milk Co.....	Oregon.	
Roszell Milk Condensing Co., J. D.....	Peoria.	
Sandwich Condensed Milk Co.....	Sandwich.	
VanCamp Milk Condensing Co.....	Efingham.	
Whitehall Condensed Milk Co.....	Whitehall.	
Wildt Evaporated Milk Co., John.....	Highland.	
Wisconsin Condensed Milk Co.....	Pecatonica.	
Yorkville Milk Condensing Co.....	Yorkville.	
Younger Condensed Milk Co., J. P.....	Garden Prairie.	

MILK BOTTLING PLANTS.

Name.	Location.	Office.
Beecher Creamery Co.....	Beecher.	
Borden's Condensed Milk Co.....	Algonquin.....	Chicago.
Borden's Condensed Milk Co.....	Cary.....	Chicago.
Borden's Condensed Milk Co.....	Belvidere.....	Chicago.
Borden's Condensed Milk Co.....	Elgin.....	Chicago.
Borden's Condensed Milk Co.....	Bassetts.....	Chicago.
Borden's Condensed Milk Co.....	Hampshire.....	Chicago.
Borden's Condensed Milk Co.....	Marengo.....	Chicago.
Borden's Condensed Milk Co.....	McHenry.....	Chicago.
Borden's Condensed Milk Co.....	Sterling.....	Chicago.
Borden's Condensed Milk Co.....	Sycamore.....	Chicago, H. W. Armington.
Borden's Condensed Milk Co.....	West Chicago.....	Chicago.
Borden's Condensed Milk Co.....	Woodstock.....	Chicago.
Borden's Condensed Milk Co.....	Alden.....	Chicago.
Borden's Condensed Milk Co.....	Hebron.....	Chicago.
Borden's Condensed Milk Co.....	Ridgefield.....	Chicago.
Borden's Condensed Milk Co.....	Virgil.....	Chicago.
Bowman Dairy Co.....	Bristol.....	Chicago.
Bowman Dairy Co.....	Barrington.....	Chicago.
Bowman Dairy Co.....	Crystal Lake.....	Chicago.
Bowman Dairy Co.....	Elburn.....	Chicago.
Bowman Dairy Co.....	Howard.....	Chicago.
Bowman Dairy Co.....	Mokena.....	Chicago.
Bowman Dairy Co.....	Palatine.....	Chicago.
Bowman Dairy Co.....	Poplar Grove.....	Chicago.
Bowman Dairy Co.....	St. Charles.....	Chicago.
Ira J. Mix Dairy Co.....	Bowes.....	
Ira J. Mix Dairy Co.....	Burlington.....	
Ira J. Mix Dairy Co.....	Charter Grove.....	
Ira J. Mix Dairy Co.....	East Plato.....	
Ira J. Mix Dairy Co.....	Genoa.....	
Forest Glen Creamery Co.....	Round Lake.....	
Huntley Dairy Co.....	Bartlett.....	
Kee & Chappell Co.....	North Aurora.....	
Kee & Chappell Co.....	Batavia.....	
Kee & Chappell Co.....	Big Foot.....	
Kee & Chappell Co.....	Itaska.....	
Mt. Prospect Creamery Co.....	Mt. Prospect.....	
Murphy & Co.....	Virgil.....	
Olson, A. J.....	Woodstock.....	
Quigley & Co.....	Myrtle.....	
Quigley & Co.....	Russell.....	
Roselle Bottling Works.....	Roselle.....	
Wieland Dairy Co.....	Libertyville.....	Chicago.
Wieland Dairy Co.....	Solon Mills.....	Chicago.
Wieland Dairy Co.....	Spring Grove.....	Chicago.
Yore Bros.....	Libertyville.....	
Patton Milk Co.....	Lake Zurich.....	
Patton Milk Co.....	Palatine.....	
Patton Milk Co.....	Schaumburg.....	
Victor, May.....	Huntley.....	

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